Solventless thermal curing chemistry is the standard technology for the majority of the label and liner industry. A 100% solids system raises fewer regulatory and safety concerns than a solvent based system as well as offering the most cost effective release coating process.

The SILCOLEASE<sup>®</sup> solventless thermal product range offers enormous flexibility to achieve the optimum performance in terms of cure speed,

SILCOLEASE<sup>®</sup> polymer selection for optimal release profile Off-line lamination with acrylic PSA test tape Glassine release base paper



The Optima concept fine tunes your SILCOLEASE<sup>®</sup> system to meet ever increasing demands on production speeds and cost efficiency. Choose one component or an entire system to create the most economic formulation for all production conditions and applications. anchorage or modification of release properties on a wide range of substrates. Particular features of the SILCOLEASE<sup>®</sup> range are:

- Variety of polymers to meet all process needs (cure, release profile, coating technique, coverage)
- Release Control Additives for all applications and adhesives
- Range of crosslinkers to achieve optimal balance of cure and anchorage

Optima concept for reduction of Pt level By combining machine conditions and the correct chemistry significant Pt reduction is possible. In standard production conditions 50ppm levels are readily achievable via Optima concept formulations.



— POLY 360 + XL 321 (160°C web temp)

Particular features of the SILCOLEASE<sup>®</sup> Optima concept:

- Platinum Reduction
- Mist Reduction at speeds up to 1600 m/min
- Low Temperature Curing (LTC).

# the ₹

#### Solventless **Thermal Range**

### SILCOLEASE<sup>®</sup> release coatings ... using science to a fine art

#### Legal Disclaimer

The information contained in this document is given in good faith and based on Bluestar Silicones current knowledge. Bluestar Silicones makes no representation or warranty as to the accuracy, completeness of such information or as to the compatibility of such information with the users intended application: information is supplied on an as-is basis and is not binding on Bluestar Silicones. Nothing contained herein is intended as a recommendation to use the products so as to infringe any patent. Bluestar Silicones assumes no liability for users violation of patent or other rights and disclaims any liability for loss, injury or damage which may result from the use of the products. Therefore, information contained herein must not be used as a substitute for necessary prior tests which are the sole responsibility of the user and which alone can ensure that a product is suitable for a given use.

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#### **BLUESTAR SILICONES**





### General Purpose range

SILCOLEASE®	PRODUCT	VISCOSITY	FEATURES	
POLYMER	11362	(MPA.S) ~ 200	<ul> <li>Low viscosity polymer</li> <li>Low misting</li> <li>High reactivity</li> <li>Excellent coating performance at high speed</li> </ul>	
	11364	~ 450	<ul> <li>Excellent release against hot melts and aggressive adhesives</li> <li>Flat release profile</li> <li>Excellent anchorage on film</li> </ul>	
	11365	~ 650	Medium high viscosity polymer     High reactivity     Good solution vs aggressive hot melts     High FTM4 with very low FTM3	
	11367	~ 230	<ul> <li>Low viscosity polymer</li> <li>Low misting</li> <li>Good reactivity</li> <li>Excellent general purpose system with high abrasion resistance</li> <li>Flat release profile</li> </ul>	
	8500	~ 350	Medium viscosity polymer     High reactivity     Good solution vs aggressive hot melts	
	11384	~ 400	<ul> <li>Medium viscosity polymer</li> <li>Tight low speed release with very flat release profile</li> <li>High vinyl content gives very hard film with low coefficient of friction</li> </ul>	
RELEASE CONTROL ADDITIVE	RCA 12	~ 300	<ul> <li>Mainly for in-line applications</li> <li>Effective at small addition levels vs most permanent acrylic and HM adhesives</li> <li>Alpha-olefin free</li> </ul>	
	RCA 12045	~ 1200	<ul> <li>For in-line and off-line applications</li> <li>General Purpose modifier for most adhesive and label applications</li> <li>Alpha-olefin free</li> </ul>	
	RCA 394	~ 900	<ul> <li>Mainly for off-line applications</li> <li>High resin content</li> <li>Low zipping</li> <li>High release efficiency (particularly vs acrylic adhesives)</li> </ul>	
CROSSLINKER	96A	~ 25	Homopolymer SiH crosslinker     Excellent abrasion resistance on wide range of substrates     Low adhesive interaction potential	
	97A	~ 30	Standard blended crosslinker with excellent balance between reactivity and anchorage properties	
	12031	~ 45	<ul> <li>Standard co-polymer crosslinker with fast cure</li> <li>Good compromise of reactivity with acceptable abrasion resistance on most standard substrates</li> </ul>	
CATALYST	11091M 12070	~ 300 ~ 300	Standard Pt catalyst     Standard Pt catalyst	

## Optima concept

PRODUCTS         REFERENCE         (wPk.s)           POLYMER         POLY 360         ~ 100         • Low viscosity polymer for high speed coating Low misting, high reactivity & excellent coating performance Pital release profile           POLY 8560*         ~ 350         • Medium viscosity polymer for LTC or reduced Pt levels Premium release forces Excellent effect of RCA range for tighter release force For in-line and off-line applications CONTROL ADDITIVE         RCA 395         ~ 900         • For in-line and off-line applications Very low extractables Low zipping with excellent aged release stability High release efficiency against all adhesives Low gopt release stability Very low extractables Very low extractables High efficiency with speciality PSA (Deep Freeze, Removable etc.) Alpha-olefin free St. 320 Z1C Only for LDE coated Kraft (or with anchorage additive) XL 320 Z25 For reduction of Pt content Excellent compromise mating to speeds of 1600m/min Pre-mixed with Pt catalyst CATA 346* Z1000 Eliminates silicone mistu pt o speeds of 1600m/min Pre-mixed	SILCOLEASE®	PRODUCT	VISCOSITY	FEATURES	
POLYMER         POLY 360         - 100         Low viscosity polymer for high speed coating           POLY 8560*         - 350         - Medium viscosity polymer for LTC or reduced Pt levels           POLY 8560*         - 350         - Medium viscosity polymer for LTC or reduced Pt levels           PREVENTED         - 900         - For in-line and off-line applications           CONTROL         - 900         - For in-line and off-line applications           ADDITIVE         - 1200         - For in-line and off-line applications           Very low extractables         - 1200         - LTC performance for in-line and off-line applications           Very good release stability         - High release is stability         - High release is stability           Alpha-olefin free         - 1200         - LTC performance mainly for in-line applications           Very low extractables         - Very low extractables         - Very low extractables           Very low extractables         - Very low extractables         - Very low extractables           Very low extractables         - High reficiency with speciality PSA ( Deep Freeze, Removable etc.)           Alpha-olefin free         - 25         - LTC           Very low extractables         - LTC enformance mist up to speeds of 1600m/min           Very low extractables         - LTC         - Only for LDPE coated Kraft (or with anchor	PRODUCTS	REFERENCE	(MPA.S)		
POLY 8560*       - 350       - Hat release profile         POLY 8560*       - 350       - Medium viscosity polymer for LTC or reduced Pt levels         PRELEASE       RCA 395       - 900       - For in-line and off-line applications         CONTROL       - 1000       - 1000       - For in-line and off-line applications         ADDITIVE       - 800       - 1200       - For in-line and off-line applications         RCA 396       - 1200       - 11C performance for in-line and off-line applications         Very low extractables       - Very low extractables         Alpha-olefin free       - 1200       - LTC performance mainly for in-line applications         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - 1000       - LTC performance mainly for in-line applications         Very low extractables <t< td=""><td>POLYMER</td><td>POLY 360</td><td>~ 100</td><td colspan="2"><ul> <li>Low viscosity polymer for high speed coating</li> </ul></td></t<>	POLYMER	POLY 360	~ 100	<ul> <li>Low viscosity polymer for high speed coating</li> </ul>	
POLY 8560*       - 350       Medium viscosity polymer for LTC or reduced Pt levels         Premium release forces       Premium release forces         Excellent effect of RCA range for tighter release force         RELEASE       RCA 395       - 900         CONTROL       - 900       For in-line and off-line applications         ADDITIVE       - 1200       - 1200         RCA 396       - 1200       - LTC performance for in-line and off-line applications         Very low extractables       - Low zipping with excellent aged release stability         ADDITIVE       - 1200       - LTC performance for in-line and off-line applications         Very low extractables       - Very good release stability         Alpha-olefin free       - 1600       - LTC performance mainly for in-line applications         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables <td></td> <td></td> <td></td> <td><ul> <li>Low misting, high reactivity &amp; excellent coating performance</li> </ul></td>				<ul> <li>Low misting, high reactivity &amp; excellent coating performance</li> </ul>	
POLY 8560*       - 350       • Medium viscosity polymer for LTC or reduced Pt levels         Premium release forces       • Premium release forces         Excellent effect of RCA range for tighter release force         RELEASE       RCA 395       - 900         ADDITIVE       • For in-line and off-line applications         Very low extractables       - Low zipping with excellent aged release stability         ADDITIVE       • High release efficiency against all adhesives         RCA 396       - 1200       • LTC performance for in-line and off-line applications         Very low extractables       Very low extractables         Very low extractables       Very low extractables         Very low extractables       Very low extractables         Very low extractables       • UFC performance mainly for in-line applications         Very low extractables       • High efficiency with speciality PSA (Deep Freeze, Removable etc.)         Alpha-olefin free       • CROSSLINKER         XL 319       - 25       • LTC         • Only for LDPE coated Kraft (or with anchorage additive)         XL 321       - 25       • LTC compromise with good anchorage         XL 321       - 25       • LTC compromise reactivity/anchorage         PERFORMANCE       CATA 346*       - 1000       • Eliminates silicone mist up to speeds of 1600m				Flat release profile	
Premium release forces       Excellent effect of RCA range for tighter release force         RELEASE       RCA 395       - 900       For in-line and off-line applications         CONTROL       ADDITIVE       - 100       For in-line and off-line applications         ADDITIVE       - 1200       - 1200       - 120 efformance for in-line and off-line applications         RCA 396       - 1200       - 120 efformance for in-line and off-line applications         Very low extractables       - Very good release stability         Alpha-olefin free       - 1600       - 11C performance mainly for in-line applications         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         Very low extractables       - Very low extractables       - Very low extractables         XL 319       - 25       - LTC compromise with speciality PSA ( Deep Freeze, Removable etc.)		POLY 8560* ~ 350 • Medium viscosity polymer for LTC or reduced Pt lev		<ul> <li>Medium viscosity polymer for LTC or reduced Pt levels</li> </ul>	
RELEASE CONTROL ADDITIVE       RCA 395       - 900       For in-line and off-line applications         ADDITIVE       - 900       - For in-line and off-line applications         ADDITIVE       - 1200       - Low zipping with excellent aged release stability         RCA 396       - 1200       - LTC performance for in-line and off-line applications         Very low extractables       - Very good release stability         RCA 397       - 1600       - LTC performance for in-line applications         Very low extractables       - Very good release stability         RCA 397       - 1600       - LTC performance mainly for in-line applications         Very low extractables       - High efficiency with speciality PSA ( Deep Freeze, Removable etc.)         Alpha-olefin free       - 25       - LTC         CROSSLINKER       XL 319       - 25       - LTC         XL 320       - 25       - LTC compromise with good anchorage         XL 321       - 25       - For reduction of Pt content         Excellent compromise reactivity/anchorage       - 1000       - Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       - 1000       - Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       - 1000       - Eliminates silicone mist up to speeds of 1600m/min				Premium release forces	
RELEASE       RCA 395       - 900       • For in-line and off-line applications         CONTROL       ADDITIVE       • Very low extractables       • Low zipping with excellent aged release stability         ADDITIVE       • RCA 396       • 1200       • LTC performance for in-line and off-line applications         RCA 396       • 1200       • LTC performance for in-line and off-line applications         Very low extractables       • Very good release stability         • Alpha-olefin free       • Very low extractables         RCA 397       • 1600       • LTC performance mainly for in-line applications         • Very low extractables       • Very low extractables         • Vero low extra				Excellent effect of RCA range for tighter release force	
CONTROL       ADDITIVE       • Very low extractables         ADDITIVE       • Cow zipping with excellent aged release stability         RCA 396       - 1200       • LIC performance for in-line and off-line applications         • Very low extractables       • Very low extractables         • Very low extractables       • Very low extractables         • Very good release stability       • Alpha-olefin free         RCA 397       - 1600       • LTC performance mainly for in-line applications         • Very low extractables       • High efficiency with speciality PSA (Deep Freeze, Removable etc.).         • Alpha-olefin free       • LTC         CROSSLINKER       XL 319       - 25         XL 320       - 25       • LTC         • CROSSLINKER       XL 321       - 25         XL 320       - 25       • LTC compromise with good anchorage         XL 321       - 25       • LTC compromise reactivity/anchorage         PERFORMANCE       CATA 346*       - 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       CATA 347       - 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations       • Encellent compromise secosing       • Eliminates silicone mist up to speeds of 1600m/min <td< td=""><td>RELEASE</td><td>RCA 395</td><td>~ 900</td><td><ul> <li>For in-line and off-line applications</li> </ul></td></td<>	RELEASE	RCA 395	~ 900	<ul> <li>For in-line and off-line applications</li> </ul>	
ADDITIVE          - Low zipping with excellent aged release stability         - High release efficiency against all adhesives          RCA 396          - 1200           - LTC performance for in-line and off-line applications          Very low extractables          - Very low extractables           - Very low extractables          RCA 397          - 1600           - LTC performance mainly for in-line applications          Very low extractables          - Very low extractables           - Very low extractables          RCA 397          - 1600           - LTC performance mainly for in-line applications          Very low extractables           - High efficiency with speciality PSA (Deep Freeze, Removable etc.)          Alpha-olefin free           - Alpha-olefin free          CROSSLINKER       XL 319           - 25          XL 320           - 25           LTC          Only for LDPE coated Kraft (or with anchorage additive)          XL 320           - 25          VEX 320           - 25          For reduction of Pt content          ENHANCEMENT         CATA 346*          - 1000          PIERFORMANCE      <	CONTROL			Very low extractables	
PERFORMANCE       CATA 346*       ~ 1000       • LTC performance for in-line and off-line applications         Very low extractables       • Very good release stability       • Alpha-olefin free         RCA 397       ~ 1600       • LTC performance mainly for in-line applications         • Very low extractables       • Very low extractables         • Very low extractables       • Very low extractables         • LTC performance mainly for in-line applications         • Very low extractables         • High efficiency with speciality PSA (Deep Freeze, Removable etc.)         • Alpha-olefin free         CROSSLINKER         XL 319       ~ 25         • LTC         • Only for LDPE coated Kraft (or with anchorage additive)         XL 320       ~ 25         • LTC compromise with good anchorage         XL 321       ~ 25         • For reduction of Pt content         • Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*         • 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations         • MRA 785       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosi	ADDITIVE			<ul> <li>Low zipping with excellent aged release stability</li> </ul>	
RCA 396       - 1200       • LTC performance for in-line and off-line applications         Very low extractables       • Very good release stability         • Alpha-olefin free         RCA 397       - 1600         • LTC performance mainly for in-line applications         • Very low extractables         • Very low extractables         • Very low extractables         • Very low extractables         • High efficiency with speciality PSA (Deep Freeze, Removable etc.)         • Alpha-olefin free         CROSSLINKER         XL 319       - 25         • LTC         • Only for LDPE coated Kraft (or with anchorage additive)         XL 320       - 25         • LTC compromise with good anchorage         XL 321       - 25         • For reduction of Pt content         • Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*         ENHANCEMENT         CATA 347       - 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       - 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing         MRA 385*       - 2000				<ul> <li>High release efficiency against all adhesives</li> </ul>	
• Very low extractables         • Very good release stability         • Alpha-olefin free         RCA 397       ~ 1600         • UrC performance mainly for in-line applications         • Very low extractables         • High efficiency with speciality PSA ( Deep Freeze, Removable etc.)         • Alpha-olefin free         CROSSLINKER         XL 319       ~ 25         • LTC compromise vith good anchorage additive)         XL 320       ~ 25         • LTC compromise with good anchorage         XL 321       ~ 25         • For reduction of Pt content         • Excellent compromise reactivity/anchorage         PERFORMANCE         ENHANCEMENT         CATA 346*       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst         CATA 347       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing         MRA 385*       ~ 2000         • Eliminates silicone mist up to speeds of 1600m/min         • CATA 340*       ~ 2000 </td <td></td> <td>RCA 396</td> <td>~ 1200</td> <td><ul> <li>LTC performance for in-line and off-line applications</li> </ul></td>		RCA 396	~ 1200	<ul> <li>LTC performance for in-line and off-line applications</li> </ul>	
PERFORMANCE       CATA 346*       ~ 1000       • LTC performance mainly for in-line applications         PERFORMANCE       CATA 347       ~ 1000       • LTC ompromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         Only for LDPE coated for multiplications       • LTC compromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000         ENHANCEMENT       CATA 346*       ~ 1000         CATA 347       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       • Diluted MRA for accurate dosing         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations       • 2000         • Eliminates silicone mist up to speeds of 1600m/min       • Diluted MRA for accurate dosing         • CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted Silicone mist up to speeds of 1600m/min       • Pre-mix of latest generation MRA         • Pre-mixed with Pt catalyst for Low Pt formulations       • Pre-mixed with Pt catalyst for Low Pt formulations				Very low extractables	
PERFORMANCE       CATA 346*       ~ 1000       • LTC compromise with good anchorage         PERFORMANCE       CATA 347       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         ORD       • LTA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         ORD       • Eliminates silicone mist up to speeds of 1600m/min       • Pre-mixed with Pt catalyst         ORTA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       • 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted State       • 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA       • Efficient with high RCA contents         • CATA 340*       • 2000       • Eliminates silicone mist up to speeds of 1600m/min			-	<ul> <li>Very good release stability</li> </ul>	
RCA 397       ~ 1600       • LTC performance mainly for in-line applications         • Very low extractables       • High efficiency with speciality PSA ( Deep Freeze, Removable etc.)         • Alpha-olefin free         CROSSLINKER       XL 319       ~ 25         XL 320       ~ 25       • LTC         • Only for LDPE coated Kraft (or with anchorage additive)         XL 320       ~ 25         XL 321       ~ 25         • For reduction of Pt content         • Excellent compromise reactivity/anchorage         PERFORMANCE         ENHANCEMENT         CATA 346*       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst         CATA 347       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000         • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing         MRA 385*       ~ 2000         • Eliminates silicone mist up to speeds of 1600m/min         • CATA 340*       ~ 2000         • Eliminates silicone mist up to speeds of 1600m/min         • CATA 340*       ~ 2000         • Eliminates silicone m				Alpha-olefin free	
CROSSLINKER       XL 319       ~ 25       LTC         Very low extractables       • High efficiency with speciality PSA (Deep Freeze, Removable etc.)         ·       • Alpha-olefin free         CROSSLINKER       XL 319       ~ 25         XL 320       - 25       LTC         ·       • Only for LDPE coated Kraft (or with anchorage additive)         XL 321       ~ 25       • ETC compromise with good anchorage         XL 321       ~ 25       • For reduction of Pt content         • Excellent compromise reactivity/anchorage       • Eliminates silicone mist up to speeds of 1600m/min         PHANCEMENT       CATA 346*       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       CATA 347       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         MRA 745       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min       • Diluted MRA for accurate dosing         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min       • Concentrated formulation of latest generation MRA         • Efficient with high RCA contents       • 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA       • Eliminates silicone mist up to speeds of 1600m/min		RCA 397	~ 1600	LTC performance mainly for in-line applications	
CROSSLINKER       XL 319       - 25       · LTC         XL 320       - 25       · LTC         Only for LDPE coated Kraft (or with anchorage additive)         XL 320       - 25       · LTC compromise with good anchorage         XL 321       - 25       · For reduction of Pt content         Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000         ENHANCEMENT       CATA 347       ~ 1000         CATA 347       ~ 1000       · Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       · Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       · Eliminates silicone mist up to speeds of 1600m/min         · Pre-mixed with Pt catalyst for Low Pt formulations       · Diluted MRA for accurate dosing         MRA 385*       ~ 2000       · Eliminates silicone mist up to speeds of 1600m/min         · Diluted MRA for accurate dosing       · Efficient with high RCA contents         CATA 340*       ~ 2000       · Eliminates silicone mist up to speeds of 1600m/min         · Pre-mix of latest generation MRA & Pt catalyst       · Pre-mix of latest generation MRA & Pt catalyst			_	Very low extractables	
CROSSLINKER       XL 319       ~ 25       LTC         VI 320       ~ 25       LTC compromise with good anchorage         XL 320       ~ 25       LTC compromise with good anchorage         XL 321       ~ 25       For reduction of Pt content         Excellent compromise reactivity/anchorage       Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min       Pre-mixed with Pt catalyst for Low Pt formulations         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min       Diluted MRA for accurate dosing         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min       Concentrated formulation of latest generation MRA         Efficient with high RCA contents       CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min				High efficiency with speciality PSA (Deep Freeze, Removable etc.)	
CROSSLINKER       XL 319       ~ 25       • LIC         Only for LDPE coated Kraft (or with anchorage additive)         XL 320       ~ 25       • LTC compromise with good anchorage         XL 321       ~ 25       • For reduction of Pt content         • Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000         ENHANCEMENT       CATA 347       ~ 1000         CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       CATA 347       ~ 1000         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       MRA 385*       ~ 2000         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min				Alpha-olefin free	
XL 320       ~ 25       LTC compromise with good anchorage         XL 321       ~ 25       For reduction of Pt content         EXCEPTION EXAMPLE       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         PERFORMANCE       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min       Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min       Diluted MRA for accurate dosing         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min       Concentrated formulation of latest generation MRA         Efficient with high RCA contents       Efficient with high RCA contents       Efficient with high RCA contents         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min       Pre-mix of latest generation MRA & Pt catalyst	CROSSLINKER	XL 319	~ 25		
XL 320       ~ 25       • LIC compromise with good anchorage         XL 321       ~ 25       • For reduction of Pt content         • Excellent compromise reactivity/anchorage       • Excellent compromise reactivity/anchorage         PERFORMANCE       CATA 346*       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       • CATA 347       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       • Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       • Diluted MRA for accurate dosing         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA & Pt catalyst       • Pre-mix of latest generation MRA & Pt catalyst		1/1 000	05	Only for LDPE coated Kraft (or with anchorage additive)	
PERFORMANCE       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst         CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Diluted MRA for accurate dosing       MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min       Concentrated formulation of latest generation MRA         Efficient with high RCA contents       Efficient with high RCA contents       Efficient with high RCA contents         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mix of latest generation MRA & Pt catalyst       Pre-mix of latest generation MRA & Pt catalyst		XL 320	~ 25	LIC compromise with good anchorage	
PERFORMANCE       CATA 346*       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed with Pt catalyst       Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Diluted MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mix of latest generation MRA       Pficient with high RCA contents         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mix of latest generation MRA & Pt catalyst       Pre-mix of latest generation MRA & Pt catalyst		XL 321	~ 25	Fyrellent compromise reactivity/anchorage	
PERFORMANCE       CATA 346       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         ENHANCEMENT       • Pre-mixed with Pt catalyst         CATA 347       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst       • 1000       • Eliminates silicone mist up to speeds of 1600m/min         • MRA 745       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       • Diluted MRA for accurate dosing         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA & Pt catalyst       • Pre-mix of latest generation MRA & Pt catalyst	DEDEODMANOE	CATA 24/*	1000	Excellent compromise reactivity/anchorage	
ENHANCEMENT       CATA 347       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mixed formulation of latest generation MRA       Efficient with high RCA contents         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mix of latest generation MRA & Pt catalyst       Pre-mix of latest generation MRA & Pt catalyst	PERFURIMANCE	CAIA 346	~ 1000	Eliminates silicone mist up to speeds of 1600m/min  Dra mixed with Dt astalwat	
CATA 347       ~ 1000       • Eliminates sincone mist up to speeds of 1600m/min         • Pre-mixed with Pt catalyst for Low Pt formulations       • Pre-mixed with Pt catalyst for Low Pt formulations         MRA 745       ~ 1000       • Eliminates silicone mist up to speeds of 1600m/min         • Diluted MRA for accurate dosing       • Diluted MRA for accurate dosing         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA & Pt catalyst       • Pre-mix of latest generation MRA & Pt catalyst	ENHANCEMENT	CATA 247	1000	Pre-mixed with Pt catalyst     Eliminates silicana mist up to speeds of 1/00m/min	
MRA 745       ~ 1000       Eliminates silicone mist up to speeds of 1600m/min         Diluted MRA for accurate dosing       Diluted MRA for accurate dosing         MRA 385*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Concentrated formulation of latest generation MRA       Efficient with high RCA contents         CATA 340*       ~ 2000       Eliminates silicone mist up to speeds of 1600m/min         Pre-mix of latest generation MRA & Pt catalyst       Pre-mix of latest generation MRA & Pt catalyst		CATA 347	~ 1000	EIIIIIIIIIIIII     Dra mixed with Dt cataluct for Law Dt formulations	
MRA 743       ~ 1000       • Liminates sincone mist up to speeds of 1000m/min         • Diluted MRA for accurate dosing       • Eliminates silicone mist up to speeds of 1600m/min         MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA & Pt catalyst       • Pt catalyst		MDA 745	1000	Flie-Initiation with Ft Catalyst for Low Ft formulations     Eliminator silicana mist up to speeds of 1600m/min	
MRA 385*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Concentrated formulation of latest generation MRA       • Efficient with high RCA contents         CATA 340*       ~ 2000       • Eliminates silicone mist up to speeds of 1600m/min         • Pre-mix of latest generation MRA & Pt catalyst		WINA 745	~ 1000	Diluted MPA for accurate design	
Concentrated formulation of latest generation MRA     Efficient with high RCA contents     CATA 340* ~ 2000 Eliminates silicone mist up to speeds of 1600m/min     Pre-mix of latest generation MRA & Pt catalyst		MRA 385*	~ 2000	Eliminates silicone mist up to speeds of 1600m/min	
CATA 340* ~ 2000 • Eliminates silicone mist up to speeds of 1600m/min     Pre-mix of latest generation MRA & Pt catalyst		WINA 505	2000	Concentrated formulation of latest generation MRA	
CATA 340* ~ 2000 • Eliminates silicone mist up to speeds of 1600m/min • Pre-mix of latest generation MRA & Pt catalyst				Efficient with high RCA contents	
Pre-mix of latest generation MRA & Pt catalyst		CATA 340*	~ 2000	Eliminates silicone mist up to speeds of 1600m/min	
The mix of latest generation mixed a reality st		01111010	2000	Pre-mix of latest generation MRA & Pt catalyst	
Efficient with high RCA contents				Fficient with high RCA contents	

\* Development Product (discuss availability with your technical or sales contact)

### **Performance Enhancement**

SILCOLEASE®	PRODUCT	VISCOSITY	
PRODUCTS	REFERENCE	(MPA.S)	
POLYMER	POLY 363*	~ 500	<ul> <li>Very low co-efficient of f</li> </ul>
	POLY 366*	~ 450	· Very flat release profile f
			Excellent cure on kraft p
			<ul> <li>Low co-efficient of friction</li> </ul>
	POLY 330*	~ 750	<ul> <li>Optimised polymer for co</li> </ul>
			· Possible to use without a
			<ul> <li>Flat release profile</li> </ul>
	POLY 334*	~ 400	<ul> <li>Optimised polymer for co</li> </ul>
			Easy release - suitable for
CROSSLINKER	XL 323	~ 25	<ul> <li>Optimised anchorage for</li> </ul>
PERFORMANCE	ADD 383*	-	<ul> <li>Low friction additive, red</li> </ul>
ENHANCEMENT			transfer and improves pr
	ADD 380*	40	<ul> <li>Additive for PET film coard</li> </ul>
			<ul> <li>Improves long term anch</li> </ul>
			<ul> <li>Improves anchorage Vs of</li> </ul>

\* Development Product (discuss availability with your technical or sales contact)

riction for label applications apers - excellent for graphic applications bating onto PET film inchorage additive oating onto PET film or tackified adhesive difficult substrates luces blocking, reduces back side rintability.

ting

norage in high humidity conditions

difficult adhesives