BLUESIL™ solutions for Roller Printing

Bluestar Silicones. Delivering Your Potential.

BLUESTAR SILICONES

BLUESIL™ solutions for roller printing

- **two component elastomers RTV-2 and foams RTF-2**
- **adhesion promoters**
- **processing additives**
- **silicone oils**

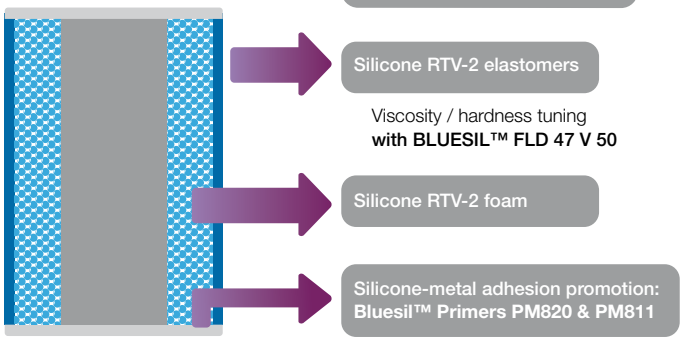
Not only technical service

Beyond the technical support to customers that a team of experts provide, the Bluestar Silicones Technology Group aims at the continous improvement of product application in its whole. This has lead to new developments that aim at optimizing **all steps of the value-chain** of the customer production.

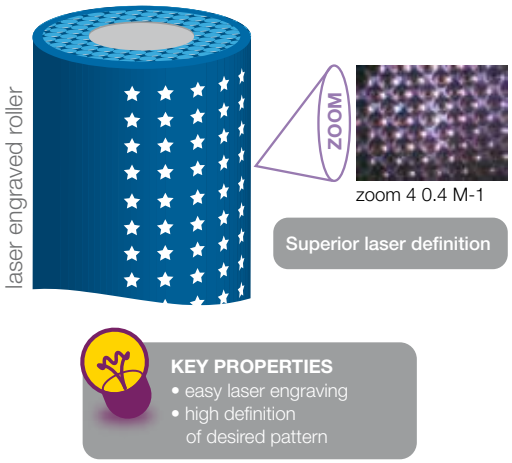
Inside and outside a printing roller

Elasticity – Resistance – Print excellence: all this is achieved with Bluestar Silicones RTV-2 Foam & dedicated elastomers.

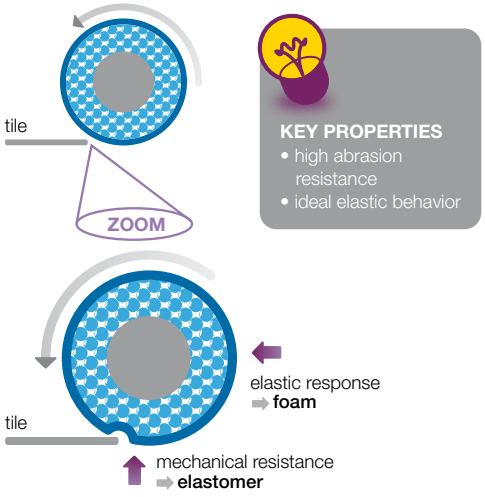
High performance solutions for roller production



High performance solutions for roller laser engravure



High performance solutions for roller end use



RTV-2 range for printing rollers

BLUESIL™ RTV-2 A&B	3616	3512 NB 3512 NB QC	3521 QC	3527 3527 QC	3428	3535	3542 3542 QC
Mix Ratio	1:1	1:1	1:1	1:1	10:1	1:1	1:1
Hardness Sh.A	15*	12	20	28	28	35	42
Working Time [min/23°C]	20	75 5 (QC)	5	80 25 (QC)	60	10	30 5 (QC)
Demolding Time [min/23°C]	60	120 (NB) 20 (QC)	30	180 120 (QC)	900	60	120
Brookfield Viscosity A+B [mPa.s**]	1.000	7.000	10.000	7.000	20.000	6.000	11.000
Available Colors (A+B final color)	Blue	White	White	White Green Yellow	White Pink Translucent	White Translucent	White Translucent
Tensile Strength [MPa]	n.m.	4.0	4.5	5.0	6.5	4.0	4.5
Elongation at Break [%]	n.m.	600	400	400	600	300	250
Tear Strength [KN/m]	n.m.	15	15	15	20	15	10
Superior Printing Quality		✓	✓		✓	✓(Translucent)	✓

Version QC: Quick Curring
Version NB: Non Bleeding
Colors: White, Pink, Blue, Green, Yellow, Translucent

*Sh00
**spindle #4 @ 2.5 rpm

Bluesil™ RTFoam

	3240 A&B	3241 A&B
Mix Ratio	1:1	1:1
Brookfield Viscosity A+B (mPa.s)	5000	15000
Pot-Life [min/23°C]	5	5
Tack Free Time [min/23°C]	10	15
Foam Density [g/ml]	0.20	0.25
Hardness Shore 00	35	40
Tensile Strength [MPa]	0.20	0.30
Elongation at Break [%]	65	90
Compression Set [50%, 72h, 23°C]	< 5	< 6

Bluesil™ Primers

	BLUESIL™ Primer PM 811 A&B		BLUESIL™ Primer PM 820
	PM811/A	PM811/B	
Appearance	Clear liquid	Clear liquid	Clear liquid
Mixing Ratio A : B	10	1	/
Density [g/ml]	0.77	0.68	0.75
Potlife at 23 °C	3 days		/
Usage level	Thin layer		Thin layer
Function	Adhesion promoter of **polyaddition** curing RTV-2 on steel, aluminum, wood, artificial resin. To be used in combination with PM820.		Adhesion promoter of **polycondensation** curing RTV-2 on steel, aluminum, wood, artificial resin.

For detailed commercial contacts please visit our website:
www.bluestarsilicones.com

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