

# Bluesil™

## Additives & Color Master Batches

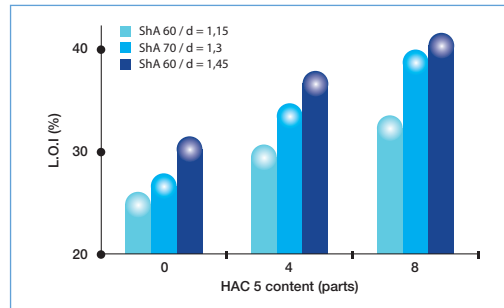


A range of additives is available for Bluesil™ master batch users wishing to blend their own compounds.

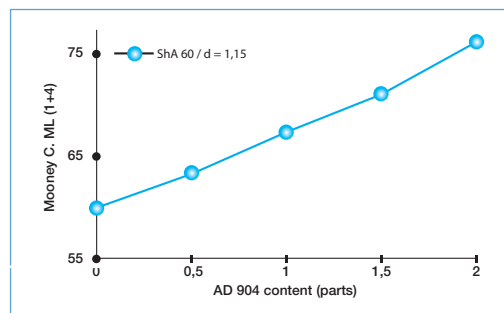
Additives	
Bluesil™	Objective
AD 717	Improves operation with extending fillers and plasticity adjustment
AD 904	Increases green strength
DA 22	Improves demolding operation

Additives	
Bluesil™	Objective
AD 916	Prevents of blooming in non-post cured parts vulcanised with 2,4 dichlorobenzoyl peroxide (acid acceptor)
AD 720	Improves hot oils resistance
HFR 1	Improves fire resistance (translucent versions)
HAC 5	Improves ash cohesion and fire resistance
AD 744	Increases heat stability up to 250 °C (without turning), industrial applications
AD 703	Increases heat stability up to 300 °C, industrial applications
TFC 10	Increases heat stability up to 300 °C, food contact applications

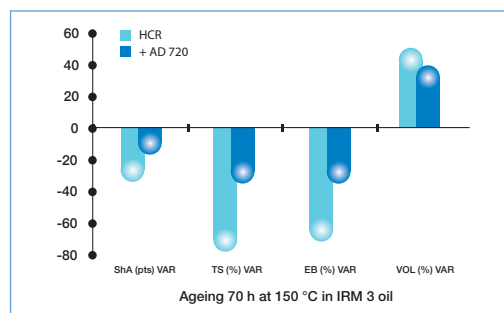
Bluesil™ “Mix & Fix Centers®” have other processing and performance enhancing additives and offer ready-to-use blends with optimum characteristics and performance levels. About regulated applications, please contact us.



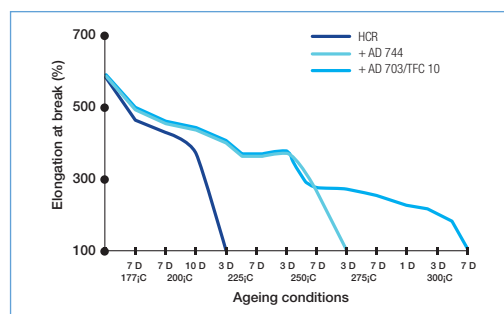
■ Additive HAC 5 - Fire resistance improvement



■ Additive AD 904 - Mooney consistency increasing



■ Additive AD 720 - Oil resistance improvement













■ Heat stability improvement

# Color Master Batches

Color master batches for Bluesil™ HCR provide a guarantee of quality and performance for all silicone heat cure elastomers which require pigmentation for technical or aesthetic reasons.

- > High pigmentation with economical levels
- > Optimum consistency, which allows fast addition on a 2-roll mill
- > To obtain good mixing it is advised to add the Color Master Batch(es) after the curing agent and any other additive(s)

Bluestar Silicones ref.	RAL equiv.
 White MB 01	9010
 Yellow MB 17	1018
 Brick Red MB 32	3013/3016
 Dark Red MB 37	3000
 Dark Blue MB 48	5002
 Brown MB 58	8015/8016
 Green MB 67	6032
 Grey MB 72	7037/7000
 Ox Black MB 76	9011
 Black MB 79	9017

## Compliance with regulation

For information about compliance with food contact European regulation and European directives 2005/95/EC (ROHS) and 2002/96/EC (WEEE), please contact Bluestar Silicones at [webmaster.silicones@bluestarsilicones.com](mailto:webmaster.silicones@bluestarsilicones.com)

## Recommended levels and colors

The recommended levels are 1,2% for most color master batches but for grey and black colors 0,4 to 0,5% are sufficient.

The above recommended levels give the shade of colour in ASTM slabs using Bluesil™ MF 175 USP catalysed with 2,5 -dimethyl -2,5 di(tert-butylperoxy) hexane, cured 10 min. at 170 °C and post-cured 4 hours at 200 °C.

## Quality and consistency of the colors

The colors are tuned by trichromatic spectrometry to minimize the variation of shade from one batch to another.

## High temperature performance

Master batches for silicone heat cure elastomers from Bluestar Silicones have particularly good resistance to thermal aging (and in the case of the "THT" range, extremely good resistance) they have been selected for their outstanding resistance to high temperature over extended periods.

