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TECHNICAL DATA SHEET

Silstab® 3040

DESCRIPTION

Silstab®3040 is a low fogging general purpose non-hydrolyzable block copolymer of dimethylsiloxane and a polyoxyalkylene, to be used in the manufacture of TDI and TDI/MDI cold cure flexible polyurethane foams.

TYPICAL PROPERTIES

Appearance	Clear liquid
Colour, Gardner	1
Viscosity at 25°C, cps	350
Specific Gravity at 25°C	1.01
Flash Point, °C (PMCC)	68°C
Hydroxyl Number, mg KOH/g	30

USES & APPLICATIONS

Silstab 3040 is a high efficiency surfactant with a broad processing latitude that produces high resiliency flexible moulded foams with reduced surface defects and low emissions. Applications include automotive seating and furniture.

The recommended concentration used is between 1.0 - 3.0% weight percent on the B-side.

HR MOULDING APPLICATION	
Formulation, Resin or B-side	PBW
Graft polyol (OH# 23)	20.0
Glycerine polyol (OH# 34)	80.0
Catalysts blend	1.8
Water	4.0
Surfactant (A/B)	Varied 1.0/1.5
Total	106.8 / 107.3
Using TDI 80/20, mix ratio is Resin/Iso = 106.8/49.4, Iso-Index 100	
Surfactant A : Niox L-3165	
Surfactant B : Silstab 3040	

MOULDED FOAM PAD PROPERTIES						
Surfactant:	A / Niox L-3165		B / Silstab 3040		C / Silstab 3055	
Overall Density, kg/m ³	36.0		36.0		36.0	
Usage level, pbw	1.0	1.5	1.0	1.5	1.0	1.5
Force-to-Crush (IFD), N						
- initial	1,475	1,675	1,500	1,680	1,665	1,850
- 5 cycles	200	380	220	380	250	345
- 10 cycles	180	190	185	190	165	170

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

When stored between 10 and 40°C in the original unopened container, **Silstab 3040** has a shelf life of 36 months from the date of manufacture.

PACKAGING

Silstab 3040 is supplied in 200kg drums and 1,000kg totes.

LEGAL DISCLAIMER

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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