



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Silsurf[®] Di 5018-F
Silsurf[®] Di 4515-O
Silsurf[®] Di 1018-F

DESCRIPTION

Silsurf[®] Di 5018-F, **Silsurf[®] Di 4515-O** and **Silsurf[®] Di 1018-F** are 100% active carbinol terminated polyether siloxane copolymers that are primarily used to modify polyurethane polymers.

TYPICAL PROPERTIES

Parameter	Silsurf [®] Di 5018-F	Silsurf [®] Di 4515-O	Silsurf [®] Di 1018-F
Appearance	Clear Semi-Gelatinous	Clear Liquid	Clear liquid
Viscosity @ 25°C, cps	8,600	3,100	400
Water Solubility (1% in DW)	Soluble to Dispersible	Soluble	Soluble

APPLICATION & USES

Silsurf[®] Di 5018-F, **Silsurf[®] Di 4515-O** and **Silsurf[®] Di 1018-F** are reactive polyether siloxane copolymers. They can be reacted during the polymerization process with isocyanates to modify the surface and physical properties of the polyurethane polymer.

As additives, they provide such benefits as lubricity, softness, abrasion resistance, levelling, and anti-blocking.

When used in polymerization, they improve low temperature flexibility, softness, elasticity, hydrophobicity, breathability and abrasion resistance of the finished materials.

The amount of **Silsurf[®] Di 5018-F**, **Silsurf[®] Di 4515-O** and **Silsurf[®] Di 1018-F** used ranges from 2.0-5.0% weight percent.

SHELF LIFE

When stored between 10 and 40°C in the original unopened container, **Silsurf[®] Di 5018-F**, **Silsurf[®] Di 4515-O** and **Silsurf[®] Di 1018-F** have a shelf life of 36 months from the date of shipment.

PACKAGING

Silsurf[®] Di 5018-F, **Silsurf[®] Di 4515-O** and **Silsurf[®] Di 1018-F** are supplied in 20kg pails and 200kg drums.

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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