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TECHNICAL DATA SHEET

Silmer[®] EPC Di-50

Epoxide Functional Silicone Pre-Polymer

DESCRIPTION

Silmer[®] EPC Di-50 is a linear cyclic epoxide terminated silicone pre-polymer. It is used to modify various polymers by providing improved surface and physical properties.

TYPICAL PROPERTIES

Appearance	Clear to slightly hazy liquid
Viscosity at 25°C, cps	250
Active Content %	100
Molecular Weight	4,100
Equivalent Weight	2,050
% Epoxide	2.10

APPLICATION & USES

Silmer[®] EPC Di-50 can be co-reacted into various alcohol, organic acid, and amine based polymers to incorporate a permanent silicone moiety into the polymer structure which can then be used in UV coatings, plastics, resins and other applications. These benefits include better slip, antiblocking, mar resistance, surface smoothness, flexibility, heat resistance and hydrophobicity.

The epoxide functionality in **Silmer[®] EPC Di-50** gives a permanent binding into the matrix of the polymers.

SHELF LIFE

When stored between 10°C and 40°C in the original unopened container, **Silmer[®] EPC Di-50** has a shelf life of 12 months from the date of shipment.

PACKAGING

Silmer[®] EPC Di-50 is 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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