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TECHNICAL DATA SHEET

Silmer[®] NH C50
primary amine functional silicone

DESCRIPTION

Silmer[®] NH C50 is a tri-functional silicone with amine groups that can be reacted into various polymers in order to improve their surface and physical properties.

TYPICAL PROPERTIES

Appearance	Clear Liquid
Colour, Gardner	1
Specific gravity at 25°C	0.95
Viscosity at 25°C, cps	600
Solid content, %	100
Molecular Weight, gm/mol	11,600

APPLICATION & USES

Silmer NH C50 can be co-reacted into various polymers for coatings, plastics, resins and other applications to incorporate a silicone moiety into the polymer structure. This improves the surface and physical properties of the polymers including better slip, antiblocking, mar resistance, surface smoothness, flexibility, low temperature impact resistance and hydrophobicity. The amine functionality in **Silmer NH C50** gives a permanent binding into the matrix of the polymers.

Silmer NH C50 is reactive with polymers that contain electrophilic groups such as epoxide, carboxylic acid, ester or isocyanate end groups.

SHELF LIFE

When stored between 10 and 40°C in the original unopened container, **Silmer NH C50** has a shelf life of 24 months from the date of manufacture.

PACKAGING

Silmer NH C50 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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