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TECHNICAL DATA SHEET

Silmer[®] ACR D208

Silicone Acrylate Functional Pre-polymer

DESCRIPTION

Silmer[®] ACR D208 is a water-soluble and organic soluble multifunctional silicone acrylate pre-polymer. It is used as a fully compatible additive in UV curing systems. It is also used to modify acrylate polymers to improve its surface and physical properties.

TYPICAL PROPERTIES

Appearance	Clear to hazy liquid
Viscosity, cps	600
Active Content %	100
Specific Gravity (25°C)	1.07
Water solubility 1%/10%	Soluble/soluble
Molecular Weight, gm/mol	3,000
Equivalent Weight	1,200

Application & Uses

Silmer ACR D208 can be co-reacted into acrylate polymers and UV curing systems for coatings, plastics, resins and other applications to incorporate a silicone moiety into the polymer structure. When co-reacted during the polymerization stage, **Silmer ACR D208** improves the surface and physical properties of the polymers. These benefits include better release, slip, antiblocking, stain and mar resistance, surface smoothness, impact resistance and flexibility. The acrylate functionality in **Silmer ACR D208** gives a permanent binding into the matrix of the polymers.

For polymer modification, the recommended amount of **Silmer ACR D208** ranges from 2-20%. As an additive in UV curing system, the recommended amount ranges from 0.1-1.5%.

SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silmer ACR D208** has a shelf life of 24 months from date of manufacture.

PACKAGING

Silmer ACR D208 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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