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TECHNICAL DATA SHEET

Silmer® ACR A0

Silicone Acrylate Functional Pre-polymer

DESCRIPTION

Silmer® ACR A0 is a very small, reactive silicone acrylate pre-polymer. It is used to modify acrylate polymers to improve its surface and physical properties.

TYPICAL PROPERTIES

Appearance	Clear liquid
Viscosity, cps	300
Active Content %	100
Specific Gravity (25°C)	1.02
Molecular Weight	335
Equivalent Weight	335

Application & Uses

Silmer® ACR A0 can be co-reacted into acrylate polymers and UV cured 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 A0** improves the surface and physical properties of the polymers. These benefits include improved slip, antiblocking, mar resistance, surface smoothness, flexibility and hydrophobicity. The acrylate functionality in **Silmer® ACR A0** gives a permanent binding into the matrix of the polymers.

The typical recommended amount of **Silmer® ACR A0** ranges from 2.0-5.0%. 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 A0** has a shelf life of 24 months from date of manufacture.

PACKAGING

Silmer® ACR A0 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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