

SM AR05

ACRYLIC COPOLYMER



PRODUCT NAME:

SM AR05 Acrylic Copolymer.

MANUFACTURER:

Schnee-Morehead, Inc. Please refer below for listing of manufacturing facilities.

PRODUCT DESCRIPTION:

SM AR05 is a crystal clear acrylic copolymer in toluene solution. Products compounded with SM AR05 exhibit excellent adhesion, good flexibility, and outstanding resistance to ultraviolet radiation, oxidation, and weathering due to nitrogen oxides, hydrocarbons, or other pollutants.

BASIC USES:

SM AR05 is used to compound caulks and sealants.

HANDLING:

Drums of SM AR05 should be stored at 72°F or higher during cold weather to minimize handling problems due to high viscosity.

CLEAN UP:

Toluene may be used to assist in clean-up of equipment contaminated with residual SM AR05.

SAFETY:

Toluene, the solvent in SM AR05, can be hazardous to your health. Use in a well ventilated area and avoid breathing vapors. Keep away from all sources of ignition and ground all containers. The acrylic copolymer itself is nontoxic. See the Material Safety Data Sheet for other information.

PACKAGING:

SM AR05 is available in bulk and in lined, open head 55 gallon drums.

PROPERTIES	
Characteristic	Result
Density (lbs/gal) @ 100.0% (Solids)	8.90
Density (lbs/gal) @ 63.0% (Solids)	8.35
Specific Gravity (25°C)	1.002
Molecular Weight (Wt. Avg.)	435000 (Typical)
Molecular Weight (Number Avg.)	34,000 (Typical)
Appearance	Clear Solution
Refractive Index (@ 20°C)	1.4906 (Polymer solution)
Flash Point (°F)	26
Shipping/DOT	Flammable Liquid
TLV (ACGIH, TWA)	50 ppm
Boiling Point (°F)	232 (Solvent)
Evaporation Rate	1.9 (Solvent) (BuAc=1)
Water Content, Max.	0.01%
Acidity (as acrylic acid), % Max.	0.1%
Odor	Aromatic odor
Vapor Pressure @ 20°C	22mm Hg (Solvent)
Nonvolatiles (Percent)	64-66%
Solvent	Toluene
Viscosity, #4 @ 10 RPM, 77°F	17000-60000 cps
Tg	-38°C

SHELF LIFE:

In a tightly closed original container, SM AR05 has a shelf life of one year from date of manufacture. Some toluene evaporation can take place but the solids content can easily be adjusted if necessary.

WARRANTY CONDITIONS OF SALE AND LIMITATIONS OF WARRANTIES:

All Schnee-Morehead products and materials are sold subject to the terms and conditions set forth in the technical data sheet, invoice, order acknowledge and/or bill of lading. All statements, technical information and recommendations regarding such products are based on tests and examinations believed to be reliable, but Schnee-Morehead, Inc. neither guarantees nor warrants their accuracy or completeness.

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SCHNEE-MOREHEAD, INC.

LOCATIONS:

Complete technical information is available from Schnee-Morehead. Three locations are strategically located in the United States. For technical assistance, customer service orders and general information, please call **1-800-TRUST SM.**

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