

Lustran M2316

Styrene Maleic Anhydride (SMA)

TECHNICAL DATASHEET

DESCRIPTION

Lustran M2316 is a glass reinforced molding grade of impact modified SMA (styrene maleic anhydride) terpolymer

FEATURES

- High heat resistance
- Increased rigidity
- Excellent chemical resistance

APPLICATIONS

- Automotive instrument panels
- Gauge consoles

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	3.3
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	1.6
Izod Notched Impact Strength, -30 °C (-22 °F)	ASTM D 256	ft-lb/in	1.3
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	11280
Tensile Modulus	ASTM D 638	psi x 10 ³	797
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	637
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°F	259
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	286
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	217
DTUL @ 66 psi - Unannealed	ASTM D 648	°F	262
Other Properties			
Density	ASTM D 792	lb/in ³	1.2
Processing			
Melt Temperature Range	-	°F	480 - 520
Mold Temperature Range	-	°F	140 - 180
Drying Temperature	-	°F	180 - 200

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Typical values for uncolored products

SUPPLY FORM

Lustran SMA (styrene maleic anhydride) terpolymer resins are available in bulk railcar, bulk truckload and 726kg box quantities.

REGULATORY COMPLIANCE

Please refer to Styrolution web site or contact Styrolution Technical Service for further information.

PRODUCT SAFETY

Safety Data Sheets and product labels provide information concerning the health and safety precautions that must be observed when handling the Styrolution products mentioned in this publication. No adverse effects on the health of processing personnel have been observed if the products are correctly processed and the production areas are suitably ventilated. For styrene, acrylonitrile, alpha-methyl styrene, maleic anhydride and 1, 3-butadiene, the maximum allowable workplace concentrations must be observed according to current local and federal regulations. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. This information is available in safety data sheets and on product labels. If there are questions or concerns, consult your Styrolution representative or contact the Product Safety and Regulatory Affairs Department at Styrolution.

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