INEOS STYROLUTION

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	ISO 1133	g/10 min	3.3
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	kJ/m²	9.5
Izod Notched Impact Strength, -30 °C (-22 °F)	ASTM D 256	kJ/m²	8.1
Tensile Stress at Yield, -40 °C	ISO 527	MPa	90.1
Tensile Strain at Yield, -23 °C	ISO 527	%	83.6
Tensile Strain at Break, 23 °C	ISO 527	%	84.7
Flexural Modulus			5,290
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	126
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°C	141
DTUL @ 264 psi - Unannealed		°C	103
DTUL @ 66 psi - Unannealed		°C	128
Other Properties			
Density	ISO 1183	kg/m³	1200
Processing			
Melt Temperature Range	ISO 294	°C	250 - 270
Mold Temperature Range	ISO 294	°C	60 - 82