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	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