Lustran® SMA M2316

INEOS Styrolution - Styrene Maleic Anhydride

Tuesday, November 5, 2019

General Information

Product 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

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• Impact Modifier		
Features	• Chemical Resistant • High Heat Resistance	• Impact Modified • Terpolymer	
Uses	• Automotive Applications	• Automotive Instrument Panel	
Automotive Specifications	• CHRYSLER MS-DB-461 CPN4850	• FORD WSB-M4D857-A2	• GM GMP.S/MA.014
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	33.3		ASTM D792
Melt Mass-Flow Rate (220°C/10.0 kg)	3.3	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	797000	psi	ASTM D638
Tensile Strength (Yield, 73°F)	11300	psi	ASTM D638
Flexural Modulus (73°F)	637000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-22°F	1.3	ft·lb/in	
73°F	1.6	ft·lb/in	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	262	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	217	°F	
Vicat Softening Temperature	286	°F	ASTM D1525 [2]
Vicat Softening Temperature	259	°F	ISO 306/B50

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Processing Information		
Injection	**Nominal Value**	**Unit**
Drying Temperature	180 to 200	°F
Processing (Melt) Temp	480 to 520	°F
Mold Temperature	140 to 180	°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Rate B (120°C/h), Loading 1 (10 N)