XIRAN® SF260

Styrene Maleic Anhydride

Polyscope Polymers BV

Message:

XIRAN® SF260 are SMA (styrene maleic anhydride) based injection molding compounds with:
high thermal stability
high dimensional stability
excellent surface adhesion properties
Application areas
XIRAN® SF260 is a 30% glass filled injection molding compound designed for applications with high stiffness-strength. These products are very suitable for painted and foamed parts, high temperature resistance and precision parts with high shot to shot consistency.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Foamable Good Adhesion Good Dimensional Stability Good Thermal Stability High Stiffness High Strength Paintable
Uses	Foam High Temperature Applications
Forms	Granules
Processing Method	Compounding Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	20	g/10 min	ISO 1133
Spiral Flow [1]	30.0	cm	Internal Method
Molding Shrinkage [2]			Internal Method
Across Flow	0.50	%	
Flow	0.20	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2

Flexural Modulus	10500	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	7.0	kJ/m^2	
23°C	7.0	kJ/m^2	
Charpy Unnotched Impact Strength (23°C)	20	kJ/m^2	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B
CLTE			ASTM D696
Flow : -30 to 80°C	2.9E-5	cm/cm/°C	
Transverse : -30 to 80°C	4.7E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	230 to 250	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	230 to 250	°C	
Nozzle Temperature	245 to 275	°C	
Processing (Melt) Temp	< 285	°C	
NOTE			
1.	2 mm		
2.	Measured according to the Autodesk Mold flow Plastics Labs using a tag mold.		

Recommended distributors for this material

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