

SLOVALEN® PH 49 GF 60

Polypropylene

Plastcom

Message:

Modified homopolymer PP for injection moulding, chemically reinforced with 60% glass fibre, contains the modifier of mechanical properties.Very good strength and tensile modulus. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Features	Chemically Coupled		
	Good Stiffness		
	Good Strength		
	Homopolymer		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.38	%	
Flow	0.43	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12800	MPa	ISO 527-2
Tensile Stress (Yield)	125	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	10100	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	9.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	
23°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	175	°C	ISO 75-2/B
Vicat Softening Temperature	182	°C	ISO 306/B
Melting Temperature (DSC)	160	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Pressure	100 to 140	MPa	

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