

SLOVALEN® PH 66 GF 30 FRO 4

Polypropylene Homopolymer

Plastcom

Message:

Modified PP homopolymer for injection molding, chemically reinforced with 30% glass fiber, contains modifier mechanical properties. Reduced flammability. Increased stiffness of PP compared to non-compliance. Application in all industries. Modification increased rigidity, toughness, modulus of elasticity. Supplied in natural finish and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Chemically Coupled		
	Flame Retardant		
	Good Stiffness		
	Good Toughness		
	Homopolymer		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.1	%	
Flow	0.68	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5900	MPa	ISO 527-2
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	5600	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	37	kJ/m ²	

23°C	39	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Vicat Softening Temperature	163	°C	ISO 306/B
Melting Temperature (DSC)	160	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-1		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	70.0 to 120	MPa	

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