

SLOVALEN® PH 61 B 70

Polypropylene

Plastcom

Message:

Modified PP for injection moulding with the content of 70% of barium sulphate. Increased density. Decreased shrinkage.Used for production of vertical blind weights. Delivered in natural mode.

General Information			
Filler / Reinforcement	Barium Sulfate,70% Filler by Weight		
Features	High Density		
	Low Shrinkage		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	2.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.46	%	
Flow	0.32	%	
Water Content	0.20	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3850	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	3680	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	1.0	kJ/m²	
23°C	1.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	6.0	kJ/m²	
23°C	25	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	135	°C	ISO 75-2/B

Vicat Softening Temperature	155	°C	ISO 306/B
Melting Temperature (DSC)	165	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 50.0	°C	
Injection Pressure	70.0 to 120	MPa	

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