Technical Data Sheet

Polyfort FPP 1068-3120 BLK

Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP compound with 40% talc filler. Long term heat stabilized.

Processing Method	Injection Molding
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	11	cm³/10 min	ISO 1133
Density	1.25	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break	3.8	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Tensile Stress at Break	25	MPa	ISO 527-2
Tensile Modulus	4500	MPa	ISO 527-1
Flexural Stress, (7.0%)	20.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C)	2.3	kJ/m²	ISO 179
(-30 °C)	1.7	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	10	kJ/m²	ISO 179
(23 °C)	15	kJ/m²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	130	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	74	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 62631-3-2
Flammable			
Burning Rate, (2.00 mm)	50	mm/min	ISO 3795
Additional Information			
Filler Content	40	%	ASTM D5630
UL Information			

Flammability Classification		
(0.8 mm)	HB	IEC 60695-11-10, -20
(1.6 mm)	HB	IEC 60695-11-10, -20

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C