

Technical Data Sheet

Polyfort FPP 1006-31 31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort FPP 1006 is a 20% Talc-Filled Polypropylene

Processing Method Injection Molding

Appearance Natural Color

Filler/Reinforcement Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	34	MPa	ASTM D638
Flexural Modulus, (Tangent)	2540	MPa	ASTM D790
Impact			
Notched Izod Impact	39	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	75	°C	ASTM D648
Additional Information			
Filler Content	20	%	ASTM D5630

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