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Technical Data Sheet

Polyfort FPP 1642-31 BLACK

Polypropylene, Unspecified (PP, Unspecified)



Product Description

PP 70% Barium Sulfate

Processing Method Injection Molding

Filler/Reinforcement Barium Sulfate, 70%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	2.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	17.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	3900	MPa	ASTM D790
Impact			
Notched Izod Impact	24	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	67	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	110	°C	ASTM D648
Additional Information			
Filler Content	70	%	ASTM D5630

Injection Parameters	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