

Technical Data Sheet

Polyfort FPP 1182E-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

20% Talc Filled Polypropylene, extrusion grade. Mainly used in profile extrusion

Processing Method Extrusion; Injection Molding

Filler/Reinforcement Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	31.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	2600	MPa	ASTM D790
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	62	°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