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Technical Data Sheet

Polyfort FPP 1005-3120 BLACK

Polypropylene, Unspecified (PP, Unspecified)



Product Description

PP Modified 40% Talc

Processing Method Injection Molding

Filler/Reinforcement Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.28	g/cm ³	ASTM D792
Vinyl Acetate Content	3	wt %	
Mechanical			
Tensile Strength at Yield, (50 mm/min)	32.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	3600	MPa	ASTM D790
Impact			
Notched Izod Impact	20	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	60	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	105	°C	ASTM D648
Additional Information			
Filler Content	40.5	%	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