

Technical Data Sheet

Polyfort FPP 3810-01 NATURAL



Polypropylene, Unspecified (PP, Unspecified)

Product Description

20% calcium carbonate filled, impact copolymer polypropylene

Processing Method Injection Molding

Filler/Reinforcement Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ASTM D1238
Density - Specific Gravity	1.12	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	19.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	1330	MPa	ASTM D790
Tensile Elongation at Break	200	%	ASTM D638
Impact			
Instrumented Dart Impact, (23 °C)	33.0	J	ASTM D3763
Notched Izod Impact, (23 °C)	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	49	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	80	°C	ASTM D648

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