

Technical Data Sheet

Polyfort FPP 3707U-1714 WHITEWHI



Polypropylene, Homopolymer

Product Description

Polyfort FPP 3707U-1714 is an 18% Calcium-Filled Polypropylene Homopolymer

Processing Method	Injection Molding
Appearance	White
Filler/Reinforcement	Calcium Carbonate, 18%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	30.1	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	2020	MPa	ASTM D790
Tensile Elongation at Break	36	%	ASTM D638
Flexural Strength	48.3	MPa	ASTM D790
Impact			
Gardner Impact	0.949	J	ASTM D5420
Notched Izod Impact	40	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	115	°C	ASTM D648
Additional Information			
Filler Content	18	%	ASTM D5630
UL Information			
Flame Rating, (1.5 mm)	HB		UL 94
UL File Number, (USA)	E51193		

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