

Technical Data Sheet

Polyfort TPP20AO06WH-WHWHI



Polypropylene Copolymer

Product Description

20% Talc Filled, UV Stabilized Polypropylene Copolymer, White

Processing Method	Injection Molding
Forms	Pellets
Appearance	White
Additive	UV Stabilizer
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	31.0	MPa	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Impact			
Notched Izod Impact	64	J/m	ASTM D256

Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 218	°C
Screw Speed	100 to 150	rpm
Processing (Melt) Temp	220 to 260	°C
Front Temperature	213 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	210 to 213	°C
Rear Temperature	204 to 210	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	30 to 60	°C