

Technical Data Sheet

Polyfort TPP1B10GY271GRY



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort TPP1B10GY271GRY is a Polypropylene, Unspecified Talc, 10% filled material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Forms	Pellets
Appearance	Colors Available
Filler/Reinforcement	Talc, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	0.968	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	33.8	MPa	ASTM D638
Flexural Modulus, (Tangent)	2000	MPa	ASTM D790
Impact			
Gardner Impact	<1.13	J	ASTM D5420
Notched Izod Impact	37	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	62.8	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	113	°C	ASTM D648
RTI Str	65.6	°C	UL 746B
UL Information			
Flame Rating, (1.5 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	199 to 227	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm