

Technical Data Sheet

Polyfort CPP5C25ULBKBLK



Polypropylene, Impact Copolymer

Product Description

Polyfort CPP5C25ULBKBLK is a Polypropylene Impact Copolymer Mineral, 25% filled material and is typically used in Injection Molding applications. Features include: Good Flow, and Good Impact Resistance.

Processing Method	Injection Molding
Attribute	Good Flow; Good Impact Resistance
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Mineral, 25%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density - Specific Gravity	1.1	g/cm³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	17.2	MPa	ASTM D638
Flexural Modulus, (23 °C)	1190	MPa	ASTM D790
Impact			
Gardner Impact	17.9	J	ASTM D5420
Notched Izod Impact, (23 °C)	640	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	48.9	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	73.9	°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