

Technical Data Sheet

Polyfort GPP-0215U BK2115BLK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

GPP-0215U is a 15% Glass-Reinforced, UV Stabilized Polypropylene

Processing Method	Injection Molding
Attribute	UV Stabilized
Forms	Pellets
Appearance	Black
Additive	Impact Modifier
Filler/Reinforcement	Glass Fiber, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical			
Tensile Strength, (23 °C)	53.1	MPa	ASTM D638
Flexural Modulus	3120	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256

Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	93	°C
Clamp Tonnage	2.8 to 4.1	kN/cm²
Nozzle Temperature	216 to 221	°C
Screw Speed	100 to 150	rpm
Front Temperature	210 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	204 to 210	°C
Rear Temperature	199 to 204	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	46 to 60	°C