

Technical Data Sheet

Polyfort PP 25-1503 GF10 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP 25-1503 GF10 is a 10% Glass-Filled, Chemically-Coupled, Impact-Modified Polypropylene

Processing Method	Injection Molding
Attribute	Chemically Coupled
Appearance	Black
Filler/Reinforcement	Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg, Procedure A)	15	g/10 min	ASTM D1238
Density - Specific Gravity	0.97	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	39.9	MPa	ASTM D638
Flexural Modulus, (Procedure B, Tangent)	2020	MPa	ASTM D790
Impact			
Notched Izod Impact	140	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	146	°C	ASTM D648
Additional Information			
Filler Content	10	%	ASTM D2584

Injection Parameters	Value	Units
Drying Time	2	hr
Drying Temperature	77	°C
Nozzle Temperature	182 to 193	°C
Processing (Melt) Temp	199 to 232	°C
Front Temperature	182 to 199	°C
Middle Temperature	204 to 227	°C
Rear Temperature	199 to 210	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 0.689	MPa
Mold Temperature	32 to 71	°C