

Polyfort PP 25-1503 GF10 BLACK

LyondellBasell Industries - Polypropylene

General Information

Product Description

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

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.972		ASTM D792
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5790	psi	ASTM D638
Flexural Modulus - Tangent	293000	psi	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	295	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	171	°F
Drying Time	2.0	hr
Rear Temperature	390 to 410	°F
Middle Temperature	399 to 441	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	360 to 379	°F
Processing (Melt) Temp	390 to 450	°F
Mold Temperature	90 to 160	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 99.9	psi

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A