Polyfort RPP25DZ08BKBLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort RPP25DZ08BKBLK is a Polypropylene Homopolymer Glass Bead\Glass Fiber, 25% filled material and is typically used in Injection Molding applications.

General

Filler / Reinforcement	• Glass Bead\Glass Fiber, 25% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.08		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (73°F)	6500	psi	ASTM D638
Tensile Elongation (Break, 73°F)	5.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	381000	psi	
Tangent : 73°F	429000	psi	
Flexural Strength (73°F)	9800	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	0.69	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F)	6.6	ft·lb/in	ASTM D4812
Gardner Impact (73°F)	3.00	in·lb	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	306	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	286	°F	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160 to 180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	430 to 460	°F
Middle Temperature	441 to 469	°F
Front Temperature	450 to 500	°F
Nozzle Temperature	450 to 500	°F
Processing (Melt) Temp	430 to 460	°F
Mold Temperature	100 to 151	°F

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Injection	Nominal Value	Unit
Injection Rate	Slow-Moderate	
Back Pressure	20.0 to 50.0	psi
Cushion	0.200 to 0.500	in