

Polyfort EPP99GA02BKBLK

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyfort EPP99GA02BKBLK is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer, and Electrically Conductive.

General

Features	• Copolymer	• Electrically Conductive
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	3500	psi	ASTM D638
Tensile Elongation (Break, 73°F)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	175000	psi	
Tangent : 73°F	190000	psi	
Flexural Strength (73°F)	4600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	9.6	ft-lb/in	ASTM D256
Gardner Impact (73°F)	200	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	270	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.0E+2	ohms	ASTM D257
Volume Resistivity	3.0E+2	ohms·cm	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	199	°F
Drying Time	2.0	hr
Rear Temperature	399 to 450	°F
Middle Temperature	421 to 500	°F
Front Temperature	430 to 500	°F
Nozzle Temperature	421 to 500	°F
Mold Temperature	81 to 151	°F
Back Pressure	20.0 to 50.0	psi
Screw Speed	40 to 100	rpm
Clamp Tonnage	2.0 to 3.0	tons/in ²