FERROCON® EPP99GA02BK

Polypropylene Copolymer

Ferro Corporation

Message:

FERROCON®EPP99GA02BK is a polypropylene copolymer (PP Copoly) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.
FERROCON®The main features of the EPP99GA02BK are:
Conductivity
Copolymer

General Information			
Features	Conductivity Copolymer		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.6	%	ASTM D955
Transverse flow	2.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	24.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1210	MPa	ASTM D790
Tangent: 23°C	1310	MPa	ASTM D790
Flexural Strength (23°C)	31.7	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	510	J/m	ASTM D256
Dart Drop Impact (23°C)	22.6	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	132	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	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
Additional Information			

The value listed as Volume Resistivity, ASTM D257, was tested in accordance with ASTM D637.The value listed as Surface Resistivity, ASTM D257, was tested in accordance with QARD-17.Filler Content, ASTM D2584: 21.0%

Injection	Nominal Value	Unit
Drying Temperature	93.3	°C
Drying Time	2.0	hr
Rear Temperature	204 - 232	°C
Middle Temperature	216 - 260	°C
Front Temperature	221 - 260	°C
Nozzle Temperature	216 - 260	°C
Mold Temperature	26.7 - 65.6	°C
Back Pressure	0.138 - 0.345	MPa
Screw Speed	40 - 100	rpm
Clamp Tonnage	2.8 - 4.1	kN/cm^2
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.0:1.0	

Recommended distributors for this material

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