

Electrafil® POM C BK

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Electrafil® POM C BK is an Acetal (POM) Copolymer product filled with filler. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Conductive
Copolymer

General Information			
Filler / Reinforcement	Filler		
Features	Conductive		
	Copolymer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.1	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	76.7	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5 to 1.0E+9	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+5	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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