

Electrafil® J-1305/CF/30/TF/15 NAT

Polyphenylene Sulfide

Techmer Engineered Solutions

Message:

Electrafil® J-1305/CF/30/TF/15 NAT is a polyphenylene sulfide (PPS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main features are: Rohs certification.

General Information			
RoHS Compliance	RoHS compliance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	172	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	21700	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	266	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.5E+2	ohms	ASTM D257
Volume Resistivity	55	ohms · cm	ASTM D257
Additional Information			
Surface Resistivity, Techmer Test Method: 100 to 1000 ohmVolume Resistivity, Techmer Test Method: 10 to 100 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	163	°C	
Drying Time	4.0	hr	
Rear Temperature	288 - 304	°C	
Middle Temperature	316 - 343	°C	
Front Temperature	310 - 332	°C	
Nozzle Temperature	316 - 332	°C	
Processing (Melt) Temp	324 - 338	°C	
Mold Temperature	129 - 163	°C	

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