

Electrafil® J-1/CF/20/TF/15

Polyamide 66

Techmer Engineered Solutions

Message:

Electrafil® J-1/CF/20/TF/15 is a polyamide 66 (nylon 66) product, which contains a 20% carbon fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

ROHS certification

Lubrication

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	186	MPa	ASTM D638
Flexural Modulus (23°C)	12400	MPa	ASTM D790
Flexural Strength (Break, 23°C)	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	85	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+2	ohms	ASTM D257
Additional Information			

Surface Resistivity, ASTM D257: 1E2-1E3 ohm/sq

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Recommended distributors for this material

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