

SABIC Innovative Plastics LNP Thermocomp 2C003

Category : Polymer , Thermoplastic , Fluoropolymer , ETFE/ECTFE

Material Notes:

LNP* Thermocomp* 2C003 is a compound based on Ethylene Tetrafluoroethylene Copolymer resin containing Carbon Fiber. Added features of this material include: Electrically Conductive. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-2C003.php

Physical Properties	Metric	English	Comments
Density	1.73 g/cc	0.0625 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	ASTM D 638
	90.0 MPa	13100 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	4.9 %	4.9 %	ASTM D 638
	4.9 %	4.9 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	11.71 GPa	1698 ksi	50 mm/min; ASTM D 638
Flexural Strength	137 MPa	19900 psi	ASTM D 790
	137 MPa	19900 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	11.03 GPa	1600 ksi	ASTM D 790
	11.03 GPa	1600 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	3.52 J/cm @Temperature 23.0 Â°C	6.59 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	12.38 J/cm @Temperature 23.0 Â°C	23.19 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	207 Â°C @Thickness 3.20 mm	405 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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