

SABIC Innovative Plastics LNP Thermocomp 5C004

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

LNP* Thermocomp* 5C004 is a compound based on Polyvinylidene Fluoride 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-5C004.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	84.0 MPa	12200 psi	ASTM D 638
Elongation at Break	0.70 %	0.70 %	ASTM D 638
Tensile Modulus	16.44 GPa	2384 ksi	50 mm/min; ASTM D 638
Flexural Strength	137 MPa	19900 psi	ASTM D 790
Flexural Modulus	13.93 GPa	2020 ksi	ASTM D 790
Izod Impact, Notched	0.530 J/cm @Temperature 23.0 Â°C	0.993 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	2.85 J/cm @Temperature 23.0 Â°C	5.34 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	153 Â°C @Thickness 3.20 mm	307 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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