

## SABIC Innovative Plastics LNP THERMOCOMP 5C004 FP-V (PVDF)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

**Material Notes:**

LNP\* THERMOCOMP\* 5C004 is a compound based on Polyvinylidene Fluoride resin containing 20% Carbon Fiber. Added features of this material include: Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-5C004-FP-V-PVDF.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-5C004-FP-V-PVDF.php)

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	84.0 MPa	12200 psi	ASTM D638
Elongation at Break	0.70 %	0.70 %	ASTM D638
Tensile Modulus	16.44 GPa	2384 ksi	50 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	ASTM D790
Flexural Modulus	13.93 GPa	2020 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.85 J/cm	5.34 ft-lb/in	ASTM D4812

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 D648

### Contact Songhan Plastic Technology Co.,Ltd.

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