

LNP™ THERMOCOMP™ 5C004 compound

Polyvinylidene Fluoride

SABIC Innovative Plastics

Message:

LNP THERMOCOMP 5C004 is a compound based on Polyvinylidene Fluoride resin containing 20% Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* THERMOCOMP* Compound FP-VC-1004
Product reorder name: 5C004

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	16400	MPa	ASTM D638
Tensile Strength (Break)	84.1	MPa	ASTM D638
Tensile Elongation (Break)	0.70	%	ASTM D638
Flexural Modulus	13900	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	290	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	154	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	120 to 150	°C	
Drying Time	4.0	hr	
Rear Temperature	190 to 210	°C	
Middle Temperature	210 to 225	°C	
Front Temperature	225 to 245	°C	
Processing (Melt) Temp	215 to 230	°C	
Mold Temperature	65.0 to 90.0	°C	
Back Pressure	0.170 to 0.340	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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