LNP™ THERMOCOMP™ COMPOUND 5C004

FP-VC-1004
REGION AMERICAS

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20170913

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	84	MPa	ASTM D 638
Tensile Strain, break	0.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	16440	MPa	ASTM D 638
Flexural Stress	137	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	285	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	153	°C	ASTM D 648
PHYSICAL			
Density	1.75	g/cm³	ASTM D 792
MECHANICAL PROPERTIES			
Flexural modulus	13930	MPa	ISO 178/1A
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Melt Temperature	215 – 230	°C	
Front - Zone 3 Temperature	225 – 245	°C	
Middle - Zone 2 Temperature	210 – 225	°C	
Rear - Zone 1 Temperature	190 – 210	°C	
Mold Temperature	65 – 90	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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