



LNP™ THERMOCOMP™ Compound 5C004

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound FP-VC-1004

Product reorder name: 5C004

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	850	kgf/cm ²	ASTM D 638
Tensile Strain, break	0.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	167600	kgf/cm ²	ASTM D 638
Flexural Stress	1400	kgf/cm ²	ASTM D 790
Flexural Modulus	142000	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	29	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	153	°C	ASTM D 648
PHYSICAL			
Density	1.75	g/cm ³	ASTM D 792



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
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