



LNP™ THERMOCOMP™ Compound JF004P

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound JF-1004 EP

Product reorder name: JF004P

LNP THERMOCOMP JF004P is a compound based on Polyethersulfone resin containing 20% Glass Fiber. Added features of this material include: Exceptional Processing.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1220	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	77600	kgf/cm ²	ASTM D 638
Flexural Stress	1750	kgf/cm ²	ASTM D 790
Flexural Modulus	75500	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	50	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	206	°C	ASTM D 648
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.3	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	355 - 370	°C
Front - Zone 3 Temperature	370 - 380	°C
Middle - Zone 2 Temperature	360 - 370	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	140 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm