



LNP™ THERMOCOMP™ Compound DF0049

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound DF-1004 FR

Product reorder name: DF0049

LNP THERMOCOMP™ DF0049 is a compound based on Polycarbonate resin containing 20% Glass Fiber. Added features of this material include: Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1050	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	67500	kgf/cm ²	ASTM D 638
Flexural Stress	1750	kgf/cm ²	ASTM D 790
Flexural Modulus	67200	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	83	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	9	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	143	°C	ASTM D 648
CTE, -40°C to 40°C, flow	2.52E-05	1/°C	ASTM E 831



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm