



LNP™ THERMOCOMP™ Compound QF008

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound QF-1008

Product reorder name: QF008

LNP THERMOCOMP QF008 is a compound based on Nylon 6/10 resin containing 40% Glass Fiber.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1750	kgf/cm ²	ASTM D 638
Tensile Strain, break	3.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	126600	kgf/cm ²	ASTM D 638
Flexural Stress	2600	kgf/cm ²	ASTM D 790
Flexural Modulus	110000	kgf/cm ²	ASTM D 790
Tensile Stress, break	183	MPa	ISO 527
Flexural Modulus	10780	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	114	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	14	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	15	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	219	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	207	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	214	°C	ISO 75/Af
PHYSICAL			
Density	1.41	g/cm ³	ASTM D 792
Density	1.42	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.12 - 0.2	%
Melt Temperature	270 - 275	°C
Front - Zone 3 Temperature	270 - 280	°C
Middle - Zone 2 Temperature	260 - 270	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm