



LNP™ THERMOCOMP™ Compound IF007

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound IF-1007

Product reorder name: IF007

LNP THERMOCOMP™ IF007 is a compound based on Nylon 6/12 resin containing 35% Glass Fiber.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1530	kgf/cm ²	ASTM D 638
Tensile Strain, yield	3	%	ASTM D 638
Tensile Modulus, 50 mm/min	90600	kgf/cm ²	ASTM D 638
Flexural Stress	2320	kgf/cm ²	ASTM D 790
Flexural Modulus	84300	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	81	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	198	°C	ASTM D 648
PHYSICAL			
Density	1.3	g/cm ³	ASTM D 792



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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	255 - 265	°C
Mold Temperature	65 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm