



LNP™ THERMOCOMP™ Compound RF008ESZ

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound RF-1008 EM HS

Product reorder name: RF008ESZ

LNP THERMOCOMP RF008ESZ is a compound based on Nylon 6/6 containing 40% Glass Fiber. Added features of this grade include: Easy Molding, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Hardness, Rockwell M	92	-	ASTM D 785
Tensile Stress, break, 5 mm/min	168	MPa	ISO 527
Tensile Modulus, 1 mm/min	12850	MPa	ISO 527
Flexural Modulus, 2 mm/min	10	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	9	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	224	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.49	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.98	%	ASTM D 570
Density	1.49	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	0.15 - 0.25	%
Melt Temperature	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm