+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

LNP™ THERMOTUF™ Compound RF008IS

Americas: COMMERCIAL

Also known as: LNP™ THERMOTUF™ Compound RF-1008 HI HS
Product reorder name: RF008IS

LNP THERMOTUF RF008IS is a compound based on Nylon 66 resin containing 40% Glass Fiber. Added features of this material include: High Impact, Heat Stabilized.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	168	MPa	ISO 527
Tensile Strain, break	2.7	%	ISO 527
Tensile Modulus, 1 mm/min	12500	MPa	ISO 527
Flexural Stress	274	MPa	ISO 178
Flexural Modulus	11000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	75	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	15	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	247	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.2	%	ASTM D 955
Density	1.46	g/cm³	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