LNP™ THERMOCOMP™ Compound RF007SXQ

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound RF-1007 HR HS
Product reorder name: RF007SXQ

LNP THERMOCOMP™ RF007SXQ is a compound based on Nylon 66 resin containing 35% Glass Fiber. Added features of this material include: Heat Stabilized, Hydrolysis Resistant.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1990	kgf/cm²	ASTM D 638
Tensile Strain, break	2.9	%	ASTM D 638
Flexural Stress	3030	kgf/cm²	ASTM D 790
Flexural Modulus	108900	kgf/cm²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	125	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	250	°C	ASTM D 648
PHYSICAL			
Density	1.42	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.4	%	ASTM D 955

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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