LNP™ THERMOCOMP™ COMPOUND RF007SXQ

RF-1007 HR HS
REGION AMERICAS

DESCRIPTION

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 PROPERTY VALUES

Revision 20190925

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	195	MPa	ASTM D 638
Tensile Strain, break	2.9	%	ASTM D 638
Flexural Stress	297	MPa	ASTM D 790
Flexural Modulus	10680	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	1228	J/m	ASTM D 4812
Izod Impact, notched, 23°C	106	J/m	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	0.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1.4	%	ASTM D 955
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	

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