LNP™ THERMOCOMP™ COMPOUND PF007

PF-1007
REGION ASIA

DESCRIPTION

LNP THERMOCOMP PF007 is a compound based on Nylon 6 resin containing 35% Glass Fiber.

TYPICAL PROPERTY VALUES

Revision 20190925

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	173	MPa	ASTM D 638
Tensile Strain, break	3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11960	MPa	ASTM D 638
Flexural Stress	255	MPa	ASTM D 790
Flexural Modulus	9140	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	1222	J/m	ASTM D 4812
Izod Impact, notched, 23°C	144	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	205	°C	ASTM D 648
Relative Temp Index, Elec (1)	130	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	70	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	85	°C	UL 746B
PHYSICAL			
Density	1.43	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.8	%	ASTM D 955
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-103093423	-	-
UL Recognized, 94HB Flame Class Rating	1.5	mm	UL 94
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	265 – 275	°C	
Front - Zone 3 Temperature	275 – 290	°C	
Middle - Zone 2 Temperature	265 – 275	°C	
Rear - Zone 1 Temperature	250 – 260	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	30 – 60	rpm	

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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