LNP™ THERMOCOMP™ COMPOUND JF002

JF-1002
REGION ASIA

DESCRIPTION

LNP THERMOCOMP* JF002 is a compound based on Polyethersulfone resin containing 10% Glass Fiber.

TYPICAL PROPERTY VALUES

Revision 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	110	MPa	ASTM D 638
Tensile Strain, break	3.8	%	ASTM D 638
Flexural Stress	172	MPa	ASTM D 790
Flexural modulus	4680	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	635	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	208	°C	ASTM D 648
PHYSICAL			
Density	1.45	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.6 – 0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6 – 0.8	%	ASTM D 955
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.05	%	
Melt Temperature	355 – 370	°C	
Front - Zone 3 Temperature	370 – 380	°C	
Middle - Zone 2 Temperature	360 – 370	°C	
Rear - Zone 1 Temperature	345 – 355	°C	
Mold Temperature	140 – 150	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	60 – 100	rpm	

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