LNP™ THERMOCOMP™ COMPOUND NF001

PCA-F-1001
REGION ASIA

DESCRIPTION

LNP THERMOCOMP NF001 compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing 5% glass fiber.

GENERAL INFORMATION	
Features	High stiffness/Strength
Fillers	Glass Fiber
Polymer Types	Polycarbonate + ABS (PC+ABS)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

Revision 20260204

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	62	MPa	ASTM D638
Tensile Strain, break	3.4	%	ASTM D638
Tensile Modulus, 50 mm/min	3550	MPa	ASTM D638
Flexural Stress	103	MPa	ASTM D790
Flexural Modulus	3650	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	595	J/m	ASTM D4812
Izod Impact, notched, 23°C	150	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	123	°C	ASTM D648
PHYSICAL [1]			
Density	1.18	g/cm³	ASTM D792
INJECTION MOLDING [2]			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	250 – 270	°C	
Front - Zone 3 Temperature	260 – 270	°C	
Middle - Zone 2 Temperature	250 – 260	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Rear - Zone 1 Temperature	230 – 245	°C	
Mold Temperature	40 – 80	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.

(2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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