LNP™ THERMOCOMP™ Compound NF002

PCA-F-1002
REGION ASIA

DESCRIPTION

LNP THERMOCOMP NF002 compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing 10% glass fiber.

GENERAL INFORMATION	
Features	High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
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	65	MPa	ASTM D638
Tensile Strain, break	2.8	%	ASTM D638
Tensile Modulus, 50 mm/min	4140	MPa	ASTM D638
Flexural Stress	103	MPa	ASTM D790
Flexural Modulus	3890	MPa	ASTM D790
IMPACT [1]			
Izod Impact, notched, 23°C	112	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	160	°C	ASTM D648
PHYSICAL [1]			
Density	1.22	g/cm³	ASTM D792
Mold Shrinkage, flow, 24 hrs [2]	0.4	%	ASTM D955
Mold Shrinkage, xflow, 24 hrs [2]	0.5	%	ASTM D955

(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) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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