LNP™ THERMOCOMP™ Compound AF008

AF-1008
REGION ASIA

DESCRIPTION

LNP THERMOCOMP AF008 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 40% glass fiber.

GENERAL INFORMATION	
Features	High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Polymer Types	Acrylonitrile Butadiene Styrene (ABS)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	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	77	MPa	ASTM D638
Tensile Strain, break	0.9	%	ASTM D638
Tensile Modulus, 50 mm/min	11990	MPa	ASTM D638
Flexural Stress	117	MPa	ASTM D790
Flexural Modulus	10160	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	223	J/m	ASTM D4812
Izod Impact, notched, 23°C	53	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	101	°C	ASTM D648
PHYSICAL [1]			
Density	1.38	g/cm³	ASTM D792
Mold Shrinkage, flow, 24 hrs [2]	0.2	%	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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