LNP™ THERMOCOMP™ Compound YF005

YF-1005
REGION ASIA

DESCRIPTION

LNP THERMOCOMP YF005 compound is based on Thermoplastic Polyester Elastomer (TPE) resin containing 25% glass fiber.

GENERAL INFORMATION	
Features	Impact resistant, No PFAS intentionally added
Fillers	Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Polymer Types	Thermoplastic Polyester Elastomer (TPEE)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
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	54	MPa	ASTM D638
Tensile Strain, break	8.5	%	ASTM D638
Tensile Modulus, 50 mm/min	2730	MPa	ASTM D638
Flexural Stress	68	MPa	ASTM D790
Flexural Modulus	2530	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	1250	J/m	ASTM D4812
Izod Impact, notched, 23°C	331	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	170	°C	ASTM D648
PHYSICAL [1]			
Density	1.4	g/cm³	ASTM D792
Mold Shrinkage, flow, 24 hrs [2]	0.4	%	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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