LNP™ THERMOCOMP™ Compound RFB53XXZ

RF-1008 MG
REGION ASIA

DESCRIPTION

LNP THERMOCOMP RFB53XXZ compound is based on Nylon 6/6 resin containing 15% glass fiber, 25% glass bead.

GENERAL INFORMATION	
Features	Low Warpage, High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Bead, Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Polymer Types	Polyamide 66 (Nylon 66)
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	108	MPa	ASTM D638
Tensile Strain, break	2.7	%	ASTM D638
Tensile Modulus, 50 mm/min	7740	MPa	ASTM D638
Flexural Stress	186	MPa	ASTM D790
Flexural Modulus	6990	MPa	ASTM D790
IMPACT (1)			
Izod Impact, unnotched, 23°C	470	J/m	ASTM D4812
Izod Impact, notched, 23°C	26	J/m	ASTM D256
THERMAL (1)			
HDT, 1.82 MPa, 3.2mm, unannealed	225	°C	ASTM D648
PHYSICAL (1)			
Density	1.46	g/cm³	ASTM D792

(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.

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