LNP™ THERMOCOMP™ Compound WF008

WF-1008
REGION ASIA

DESCRIPTION

LNP THERMOCOMP WF008 compound is based on Polybutylene Terephthalate (PBT) 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	Polybutylene Terephthalate (PBT)
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	128	MPa	ASTM D638
Tensile Strain, break	2.4	%	ASTM D638
Tensile Modulus, 50 mm/min	12540	MPa	ASTM D638
Flexural Stress	199	MPa	ASTM D790
Flexural Modulus	11510	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	747	J/m	ASTM D4812
Izod Impact, notched, 23°C	95	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	211	°C	ASTM D648
Relative Temp Index, Elec [2]	75	°C	UL 746B
Relative Temp Index, Mech w/impact [2]	75	°C	UL 746B
Relative Temp Index, Mech w/o impact [2]	75	°C	UL 746B
PHYSICAL [1]			
Density	1.64	g/cm³	ASTM D792
FLAME CHARACTERISTICS [2]			
UL Yellow Card Link	E207780-103093689	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94

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(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) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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