

LNPT[™] THERMOCOMP[™] COMPOUND OC006

OC-1006

REGION ASIA

DESCRIPTION

LNP THERMOCOMP OC006 compound is based on linear Polyphenylene Sulfide (PPS) resin containing 30% carbon fiber. Added features of this grade include: Electrically Conductive.

GENERAL INFORMATION	
Features	Electrically Conductive, Carbon fiber filled, High stiffness/Strength, No PFAS intentionally added
Fillers	Carbon Fiber
Polymer Types	Polyphenylene Sulfide, Linear (PPS, Linear)
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 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	186	MPa	ASTM D638
Tensile Strain, break	1.2	%	ASTM D638
Tensile Modulus, 50 mm/min	23920	MPa	ASTM D638
Flexural Stress	282	MPa	ASTM D790
Flexural Modulus	21160	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	640	J/m	ASTM D4812
Izod Impact, notched, 23°C	74	J/m	ASTM D256
THERMAL ⁽¹⁾			
Relative Temp Index, Elec ⁽²⁾	130	°C	UL 746B
Relative Temp Index, Mech w/impact ⁽²⁾	130	°C	UL 746B
Relative Temp Index, Mech w/o impact ⁽²⁾	130	°C	UL 746B
PHYSICAL ⁽¹⁾			
Density	1.43	g/cm ³	ASTM D792
FLAME CHARACTERISTICS ⁽²⁾			
UL Yellow Card Link	E207780-103093470	-	-
UL Recognized, 94V-0 Flame Class Rating	1	mm	UL 94



- (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.

ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

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