LNP™ THERMOTUF™ COMPOUND RF008IS

RF-1008 HI HS
REGION ASIA

DESCRIPTION

LNP THERMOTUF RF008IS is a compound based on Nylon 66 resin containing 40% Glass Fiber. Added features of this material include: High Impact, Heat Stabilized.

TYPICAL PROPERTY VALUES

Revision 20190409

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	168	MPa	ISO 527
Tensile Strain, break	2.7	%	ISO 527
Tensile Modulus, 1 mm/min	12500	MPa	ISO 527
Flexural Stress	274	MPa	ISO 178
Flexural Modulus	11000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	75	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	15	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	247	°C	ISO 75/Af
Relative Temp Index, Elec (1)	130	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	115	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	115	°C	UL 746B
PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955
Density	1.46	g/cm³	ISO 1183
ELECTRICAL			
Comparative Tracking Index (UL) {PLC}	2	PLC Code	UL 746A
Hot-Wire Ignition (HWI), PLC 2	≥6	mm	UL 746A
Hot-Wire Ignition (HWI), PLC 3	≥1.5	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 0	≥1.5	mm	UL 746A
High Voltage Arc Track Rate {PLC}	1	PLC Code	UL 746A
Arc Resistance, Tungsten {PLC}	6	PLC Code	ASTM D 495
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-103093603	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94

(1) 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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