LNP™ THERMOCOMP™ COMPOUND DF006

DF-1006
REGION ASIA

DESCRIPTION

LNP THERMOCOMP DF006 is a compound based on Polycarbonate resin containing 30% Glass Fiber.

TYPICAL PROPERTY VALUES

Revision 20191031

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	129	MPa	ASTM D 638
Tensile Strain, break	2.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	8630	MPa	ASTM D 638
Flexural Stress	199	MPa	ASTM D 790
Flexural modulus	8540	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	155	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	145	°C	ASTM D 648
Relative Temp Index, Elec (1)	125	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	115	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	125	°C	UL 746B
PHYSICAL			
Density	1.44	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
ELECTRICAL (1)			
High Voltage Arc Track Rate {PLC}	4	PLC Code	UL 746A
Hot-Wire Ignition (HWI), PLC 0	≥1.5	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 2	≥3	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 4	≥1.5	mm	UL 746A
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-101343856	-	-
UL Recognized, 94V-1 Flame Class Rating	≥3	mm	UL 94
UL Recognized, 94V-2 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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