LNP™ THERMOCOMP™ COMPOUND EF006H

EF-1006 EES
REGION AMERICAS

DESCRIPTION

LNP THERMOCOMP EF006H is a compound based on Polyetherimide resin containing 30% Glass Fiber. Added features include: Healthcare.

TYPICAL PROPERTY VALUES

Revision 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	166	MPa	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	10340	MPa	ASTM D 638
Flexural Stress	262	MPa	ASTM D 790
Flexural Modulus	10340	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	640	J/m	ASTM D 4812
Izod Impact, notched, 23°C	85	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	204	°C	ASTM D 648
Relative Temp Index, Elec (1)	105	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	105	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	105	°C	UL 746B
PHYSICAL			
Density	1.52	g/cm³	ASTM D 792
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E121562-101357467	-	-
UL Recognized, 94V-0 Flame Class Rating	≥0.75	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4 – 6	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	360 – 365	°C	
Front - Zone 3 Temperature	365 – 375	°C	
Middle - Zone 2 Temperature	355 – 365	°C	
Rear - Zone 1 Temperature	345 – 355	°C	
Mold Temperature	120 – 150	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	60 – 100	rpm	

(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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