LNP™ THERMOCOMP™ Compound OF006XA

OF-1006
REGION EUROPE

DESCRIPTION

LNP THERMOCOMP OF006XA compound is based on branched Polyphenylene Sulfide (PPS) resin containing 30% glass fiber.

GENERAL INFORMATION	
Applications	Electronic Components, Wiring Devices
Features	High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Processing Techniques	Injection Molding
Regional Availability	Europe, Americas

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 20261103

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break, 5 mm/min	157	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.9	%	ISO 527
Tensile Modulus, 1 mm/min	11100	MPa	ISO 527
Flexural Stress, break, 2 mm/min	238	MPa	ISO 178
Flexural Modulus, 2 mm/min	10800	MPa	ISO 178
THERMAL [1]			
CTE, 23°C to 60°C, flow	1.9E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.2E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	263	°C	ISO 75/Af
PHYSICAL [1]			
Density	1.58	g/cm³	ISO 1183
FLAMMABILITY PROPERTIES			
UL Yellow Card Link	E45329-11097951	-	
UL Yellow Card Link 2	E45329-11097952	-	
INJECTION MOLDING [2]			
Drying Temperature	120 – 150	°C	
Drying Time	4	Hrs	
Melt Temperature	315 – 340	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Front - Zone 3 Temperature	330 – 345	°C	
Middle - Zone 2 Temperature	320 – 330	°C	
Rear - Zone 1 Temperature	305 – 315	°C	
Mold Temperature	140 – 165	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

(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) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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