LNP™ STAT-KON™ COMPOUND EX12406C

EX12406C

DESCRIPTION

LNP* STAT-KON* EX12406C is a compound based on Polyetherimide resin containing Electrically Conductive Fillers.

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	90	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.8	%	ASTM D 638
Tensile Modulus, 5 mm/min	3510	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	154	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3580	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	470	J/m	ASTM D 4812
Izod Impact, notched, 23°C	35	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	192	°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			
Specific Gravity	1.29	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.2	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.5 – 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.5 – 0.7	%	ASTM D 955
Melt Flow Rate, 337°C/6.6 kgf	7	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	1.E+04 – 1.E+08	Ohm	ASTM D 257
FLAME CHARACTERISTICS [1]			
UL Yellow Card Link	E121562-101990083	-	-
UL Recognized, 94V-0 Flame Class Rating	≥0.75	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.02	%	
Front - Zone 3 Temperature	370 – 400	°C	
Middle - Zone 2 Temperature	370 – 400	°C	
Rear - Zone 1 Temperature	370 – 400	°C	
Mold Temperature	150 – 165	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	50 – 100	rpm	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Injection Speed	40 – 70	mm/s	

(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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