LNP™ STAT-KON™ COMPOUND RE004

RC-1004
REGION EUROPE

DESCRIPTION

LNP STAT-KON RE004 is a compound based on Nylon 66 resin containing 20% Carbon Fiber. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20190609

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	218	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.6	%	ISO 527
Flexural Stress, break, 2 mm/min	305	MPa	ISO 178
Flexural Modulus, 2 mm/min	12300	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	52	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.2E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.12E-04	1/°C	ISO 11359-2
HDT/Ae, 1.8 MPa Edgew 120*10*4 sp=100mm	>220	°C	ISO 75/Ae
Relative Temp Index, Elec (1)	65	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	65	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	65	°C	UL 746B
PHYSICAL			
Density	1.22	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+02 – 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45329-101338754	-	-
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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