LNP™ STAT-KON™ COMPOUND DE0026

DESCRIPTION

LNP* Stat-kon* DC-1002 FR is a compound based on LNP* Stat-kon* DC-1002 FR is a compound based on Polycarbonate resin containing Flame Retardant, Carbon Fiber. Added features of this material include: Flame Retardant, Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20200110

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	111	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Flexural Stress, break, 2 mm/min	153	MPa	ISO 178
Flexural Modulus, 2 mm/min	6000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m²	ISO 180/1A
THERMAL			
Relative Temp Index, Elec (1)	80	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	80	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	80	°C	UL 746B
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow	0.1 – 0.3	%	SABIC method
Density	1.23	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+02 – 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45329-102824743	-	-
UL Yellow Card Link 2	E207780-101282817	-	-
UL Recognized, 94V-0 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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