LNP™ STAT-KON™ COMPOUND RD000I

R-HI

REGION ASIA

DESCRIPTION

LNP STAT-KON RD000I compound is based on Nylon 6/6 resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, High Impact.

GENERAL INFORMATION	
Features	Electrically Conductive, Impact resistant, No PFAS intentionally added
Fillers	Carbon Powder
Polymer Types	Polyamide 66 (Nylon 66)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Electronic Components
Industrial	Material Handling

TYPICAL PROPERTY VALUES

Revision 20241028

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	46	MPa	ASTM D638
Tensile Strain, break	13.5	%	ASTM D638
Tensile Modulus, 50 mm/min	2120	MPa	ASTM D638
Flexural Stress	82	MPa	ASTM D790
Flexural Modulus	2620	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	1810	J/m	ASTM D4812
Izod Impact, notched, 23°C	150	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	73	°C	ASTM D648
CTE, -40°C to 40°C, flow	1.21E-04	1/°C	ASTM E831
Thermal Conductivity	2.8	W/m-°C	ASTM E1530
PHYSICAL [1]			
Density	1.15	g/cm³	ASTM D792
ELECTRICAL [1]			
Surface Resistivity [2]	1.E+01 – 1.E+06	Ω	ASTM D257

(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) Measurement meets requirements as specified in ASTM D4496.

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