

LNPT[™] STAT-KON[™] COMPOUND DJ0001

DESCRIPTION

LNP STAT-KON DJ0001 is a compound based on PC resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive.

GENERAL INFORMATION	
Applications	Electronic Components
Features	Electrically Conductive, No PFAS intentionally added
Fillers	Proprietary Filler
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Mobile Phone - Computer - Tablets

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 50 mm/min	52	MPa	ISO 527
Tensile Strain, break, 50 mm/min	15	%	ISO 527
Tensile Modulus, 1 mm/min	2510	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	90	MPa	ISO 178
Flexural Modulus, 2 mm/min	2460	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	660	J/m	ASTM D256
Izod Impact, notched 80*10*4 +23°C	35	kJ/m ²	ISO 180/1A
Izod Impact, unnotched 80*10*4 +23°C	137	kJ/m ²	ISO 180/1U
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	126	°C	ISO 75/Af
PHYSICAL			
Density	1.2	g/cm ³	ISO 1183
Melt Volume Rate, MVR at 300°C/5.0 kg	22	cm ³ /10 min	ISO 1133
ELECTRICAL			
Surface Resistivity	1E03 – 1E07	Ω	ASTM D257
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time (Cumulative)	2	Hrs	
Rear - Zone 1 Temperature	300 – 325	°C	
Middle - Zone 2 Temperature	310 – 335	°C	
Front - Zone 3 Temperature	315 – 340	°C	
Melt Temperature	310 – 335	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mold Temperature	80 – 110	°C	
Screw Speed	70 – 120	rpm	
Injection Speed	50 – 60	mm/s	
Back Pressure	0.5 – 5	MPa	

ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

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