

# LNPT<sup>™</sup> STAT-KON<sup>™</sup> COMPOUND DJ000I

## DESCRIPTION

LNP STAT-KON DJ000I is a compound based on PC resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive.

GENERAL INFORMATION	
Applications	Electronic Components, Semiconductor, blanks case, blanks, photomask, reticle, mask
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 20241025

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL</b>			
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
<b>IMPACT</b>			
Izod Impact, notched, 23°C	660	J/m	ASTM D256
Izod Impact, notched 80*10*4 +23°C	35	kJ/m <sup>2</sup>	ISO 180/1A
Izod Impact, unnotched 80*10*4 +23°C	137	kJ/m <sup>2</sup>	ISO 180/1U
<b>THERMAL</b>			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	126	°C	ISO 75/Af
<b>PHYSICAL</b>			
Density	1.2	g/cm <sup>3</sup>	ISO 1183
Melt Volume Rate, MVR at 300°C/5.0 kg	22	cm <sup>3</sup> /10 min	ISO 1133
<b>ELECTRICAL</b>			
Surface Resistivity	1E03 – 1E07	Ω	ASTM D257
<b>INJECTION MOLDING</b>			
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	

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