

LNPT[™] STAT-KON[™] 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
Features	Electrically Conductive, No PFAS intentionally added
Fillers	Proprietary Filler
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding

INDUSTRY

Electrical and Electronics

SUB INDUSTRY

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	

© 2023 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS[™]



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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.