LNP™ STAT-KON™ COMPOUND DX03571

PDX-D-03571

DESCRIPTION

LNP STAT-KON DX03571 compound is based on Polycarbonate (PC) resin containing proprietary fillers. Added features of this grade include: Electrically Conductive, Impact Modified.

GENERAL INFORMATION	
Features	Electrically Conductive, Impact resistant
Fillers	Unreinforced
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Electronic Components
Industrial	Material Handling

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	60	MPa	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	60	MPa	ASTM D638
Tensile Strain, break	4	%	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	4	%	ASTM D638
Tensile Modulus, 50 mm/min	2890	MPa	ASTM D638
Flexural Stress	96	MPa	ASTM D790
Flexural Stress, brk, 1.3 mm/min, 50 mm span	96	MPa	ASTM D790
Flexural Modulus	2820	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	2820	MPa	ASTM D790
IMPACT [1]			
Izod Impact, unnotched, 23°C	1068	J/m	ASTM D4812
Izod Impact, notched, 23°C	53	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	121	°C	ASTM D648
PHYSICAL [1]			
Density	1.26	g/cm³	ASTM D792
ELECTRICAL [1]			
Volume Resistivity [2]	1.E+02 – 1.E+04	Ω.cm	ASTM D257
Surface Resistivity [2]	1.E+02 – 1.E+04	Ω	ASTM D257
INJECTION MOLDING [3]			
Drying Temperature	120	°C	
Drying Time	4	Hrs	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Maximum Moisture Content	0.02	%	
Melt Temperature	305 – 325	°C	
Front - Zone 3 Temperature	320 – 330	°C	
Middle - Zone 2 Temperature	310 – 320	°C	
Rear - Zone 1 Temperature	295 – 305	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

(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.
(3) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

DISCLAIMER