

LNPTM STAT-KONTM COMPOUND DX95523C

PDX-D-95523 SG

DESCRIPTION

LNP STAT-KON DX95523C compound is based on Polycarbonate (PC) resin containing carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, Electrically Conductive, Dimensional Stability.

GENERAL INFORMATION	
Features	Electrically Conductive, Low ionics/Outgassing/Liquid particle count, Dimensional stability, No PFAS intentionally added
Fillers	Carbon Fiber
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding
INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Electronic Components, Mobile Phone - Computer - Tablets
Industrial	Electrical, Material Handling

TYPICAL PROPERTY VALUES

Revision 20241025

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	92	MPa	ASTM D638
Tensile Strain, break	1.4	%	ASTM D638
Tensile Modulus, 50 mm/min	15850	MPa	ASTM D638
Flexural Stress	124	MPa	ASTM D790
Flexural Modulus	9100	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, notched, 23°C	53	J/m	ASTM D256
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	140	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Density	1.28	g/cm ³	ASTM D792
ELECTRICAL ⁽¹⁾			
Surface Resistivity ⁽²⁾	1.E+02 – 1.E+05	Ω	ASTM D257
INJECTION MOLDING ⁽³⁾			
Drying Temperature	120	°C	
Drying Time	4	Hrs	
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	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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.

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