

LNPT[™] STAT-KON[™] COMPOUND DEL32P

DESCRIPTION

LNP STAT-KON DEL32P compound is based on Polycarbonate (PC) resin containing 10% carbon fiber, 15% PTFE. Added features of this grade include: Internally Lubricated, Electrically Conductive, Wear Resistant, Exceptional Processing.

GENERAL INFORMATION

Features	Electrically Conductive, High Flow, Wear resistant, Carbon fiber filled, High stiffness/Strength
Fillers	Carbon Fiber, PTFE
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding

INDUSTRY

Electrical and Electronics
Industrial

SUB INDUSTRY

Electronic Components
Material Handling

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
IMPACT ⁽¹⁾			
Izod Impact, notched, 23°C	90	J/m	ASTM D256
PHYSICAL ⁽¹⁾			
Density	1.32	g/cm ³	ASTM D792
Melt Volume Rate, MVR at 300°C/3.8 kg	19	cm ³ /10 min	ISO 1133
ELECTRICAL ⁽¹⁾			
Surface Resistivity ⁽²⁾	1.E+02 – 1.E+06	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	
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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