

LNPTM STAT-KONTM COMPOUND ME003S

MC-1003 HS
REGION ASIA

DESCRIPTION

LNP STAT-KON ME003S compound is based on Polypropylene (PP) resin containing 15% carbon fiber. Added features of this grade include: Electrically Conductive, Heat Stabilized.

GENERAL INFORMATION	
Features	Electrically Conductive, Heat Stabilized, Carbon fiber filled, High stiffness/Strength, No PFAS intentionally added
Fillers	Carbon Fiber
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Electronic Components
Industrial	Material Handling

TYPICAL PROPERTY VALUES

Revision 20241028

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	40	MPa	ASTM D638
Tensile Strain, break	3	%	ASTM D638
Flexural Stress	65	MPa	ASTM D790
Flexural Modulus	5100	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	320	J/m	ASTM D4812
Izod Impact, notched, 23°C	53	J/m	ASTM D256
ELECTRICAL ⁽¹⁾			
Surface Resistivity ⁽²⁾	1.E+03 – 1.E+06	Ω	ASTM D257
INJECTION MOLDING ⁽³⁾			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Melt Temperature	225 – 250	°C	
Front - Zone 3 Temperature	240 – 250	°C	
Middle - Zone 2 Temperature	215 – 225	°C	
Rear - Zone 1 Temperature	195 – 205	°C	
Mold Temperature	30 – 50	°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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