

# LNPTM STAT-KONTM COMPOUND AE004

AC-1004  
REGION ASIA

## DESCRIPTION

LNP STAT-KON AE004 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 20% carbon fiber. Added features of this grade include: Electrically Conductive.

GENERAL INFORMATION	
Features	Electrically Conductive, Carbon fiber filled, High stiffness/Strength, No PFAS intentionally added
Fillers	Carbon Fiber
Polymer Types	Acrylonitrile Butadiene Styrene (ABS)
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
<b>MECHANICAL <sup>(1)</sup></b>			
Tensile Stress, break	106	MPa	ASTM D638
Tensile Strain, break	1.3	%	ASTM D638
Tensile Modulus, 50 mm/min	12960	MPa	ASTM D638
Flexural Stress	158	MPa	ASTM D790
Flexural Modulus	12610	MPa	ASTM D790
<b>IMPACT <sup>(1)</sup></b>			
Izod Impact, unnotched, 23°C	320	J/m	ASTM D4812
Izod Impact, notched, 23°C	60	J/m	ASTM D256
<b>THERMAL <sup>(1)</sup></b>			
HDT, 1.82 MPa, 3.2mm, unannealed	100	°C	ASTM D648
<b>PHYSICAL <sup>(1)</sup></b>			
Density	1.14	g/cm <sup>3</sup>	ASTM D792
<b>ELECTRICAL <sup>(1)</sup></b>			
Surface Resistivity <sup>(2)</sup>	1.E+02 – 1E+04	Ω	ASTM D257

(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.



## 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.

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