

LNP* Stat-kon* Compound AE004

Americas: COMMERCIAL

Also known as: AC-1004
Product Reorder Name: AE004

LNP STAT-KON* AE004 is a compound based on Acrylonitrile Butadiene Styrene resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	106	MPa	ASTM D 638
Tensile Strain, break	1.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	12960	MPa	ASTM D 638
Flexural Stress	158	MPa	ASTM D 790
Flexural Modulus	12610	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	320	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	98	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Density	1.14	g/cm ³	ASTM D 792
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+00 - 6.E+00	Ohm	ASTM D 257

Source GMD, last updated:08/02/2005

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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