



LNP* Stat-kon* Compound AE0039

Asia Pacific: COMMERCIAL

Also known as: LNP* Stat-kon* Compound AC-1003 FR-1

Product reorder name: AE0039

LNP* STAT-KON* AE0039 is a compound based on Acrylonitrile Butadiene Styrene resin containing Carbon Fiber, Flame Retardant. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	1050	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	114500	kgf/cm ²	ASTM D 638
Flexural Stress	1540	kgf/cm ²	ASTM D 790
Flexural Modulus	84300	kgf/cm ²	ASTM D 790
Tensile Stress, break	65	MPa	ISO 527
Tensile Strain, break	2.3	%	ISO 527
Tensile Modulus, 1 mm/min	1100	MPa	ISO 527
Flexural Stress	164	MPa	ISO 178
Flexural Modulus	9300	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	15	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	2	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	61	cm-kgf	ASTM D 3763
Multiaxial Impact	25	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	17	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	101	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	101	°C	ISO 75/Af
PHYSICAL			
Density	1.25	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.3	%	ASTM D 955

1) Typical values only. Variations within normal tolerances are possible for various colours. All values are measured at least after 48 hours storage at 23°C/50% relative humidity.
All properties, except the melt volume rate are measured on injection moulded samples.
All samples are prepared according to ISO 294.

2) Only typical data for material selection purpose. 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) Own measurement according to UL.



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
PHYSICAL			
Mold Shrinkage, xflow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.32	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.16	%	ISO 294
Density	1.26	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.31	%	ISO 62

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