



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



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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