

LNP* Stat-kon* Compound 9X06519

Americas: COMMERCIAL

Also known as: COC-C-1006 CCS
Product Reorder Name: 9X06519

LNP STAT-KON* 9X06519 is a compound based on Cyclic Olefinic Copolymer resin containing Carbon Fiber. Added features of this material include: Clean Compounding System.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break	74	MPa	ASTM D 638
Tensile Strain, break	0.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	16040	MPa	ASTM D 638
Flexural Stress	158	MPa	ASTM D 790
Flexural Modulus	16680	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	122	J/m	ASTM D 4812
Izod Impact, notched, 23°C	32	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	150	°C	ASTM D 648
CTE, -40°C to 40°C, flow	2.8E-06	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.26E-05	1/°C	ASTM E 831
PHYSICAL			
Density	1.17	g/cm ³	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+05	Ohm	ASTM D 257

Source GMD, last updated:02/03/2005

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	260 - 315	°C
Front - Zone 3 Temperature	300 - 310	°C
Middle - Zone 2 Temperature	275 - 290	°C
Rear - Zone 1 Temperature	255 - 265	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:02/03/2005

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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