

LNP* Stat-loy* Compound KX95702

Americas: COMMERCIAL

Also known as: PDX-K-95702
Product Reorder Name: KX95702

LNP STAT-LOY* KX95702 is a compound based on Acetal resin containing Anti-Static. Added features of this material include: Antistat.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, yield	40	MPa	ASTM D 638
Tensile Stress, break	24	MPa	ASTM D 638
Tensile Strain, yield	18.1	%	ASTM D 638
Tensile Strain, break	75.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	1500	MPa	ASTM D 638
Flexural Stress	46	MPa	ASTM D 790
Flexural Modulus	1380	MPa	ASTM D 790
Tensile Stress, yield	41	MPa	ISO 527
Tensile Stress, break	31	MPa	ISO 527
Tensile Strain, yield	14.6	%	ISO 527
Tensile Strain, break	52.4	%	ISO 527
Tensile Modulus, 1 mm/min	1110	MPa	ISO 527
Flexural Stress	35	MPa	ISO 178
Flexural Modulus	1350	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	NB	J/m	ASTM D 4812
Izod Impact, notched, 23°C	160	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	22	J	ASTM D 3763
Multiaxial Impact	16	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	14	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	78	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.24E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.39E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.24E-04	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	1.39E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	64	°C	ISO 75/Af
PHYSICAL			
Density	1.32	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	4.05	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	1.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	1.74	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.83	%	ISO 294
ELECTRICAL			
Surface Resistivity	1.E+09 - 1.E+11	Ohm	ASTM D 257

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	195 - 205	°C
Front - Zone 3 Temperature	200 - 210	°C
Middle - Zone 2 Temperature	190 - 200	°C
Rear - Zone 1 Temperature	175 - 190	°C
Mold Temperature	70 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:10/01/2004

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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