

LNP* Stat-loy* Compound 9X05426C

Americas: COMMERCIAL

Also known as: PDX-05426 CCS BL5-343-2 TP
Product Reorder Name: 9X05426C

LNP* Stat-loy* 9X05426C is a compound based on PMMA resin containing Anti-Static. Added features of this material include: Antistat.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield	42	MPa	ASTM D 638
Tensile Stress, break	40	MPa	ASTM D 638
Tensile Strain, yield	6.7	%	ASTM D 638
Tensile Strain, break	18.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	1750	MPa	ASTM D 638
Flexural Stress	55	MPa	ASTM D 790
Flexural Modulus	1660	MPa	ASTM D 790
Tensile Stress, yield	42	MPa	ISO 527
Tensile Stress, break	39	MPa	ISO 527
Tensile Strain, yield	6.2	%	ISO 527
Tensile Strain, break	20.3	%	ISO 527
Tensile Modulus, 1 mm/min	1470	MPa	ISO 527
Flexural Stress	44	MPa	ISO 178
Flexural Modulus	1410	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	539	J/m	ASTM D 4812
Izod Impact, notched, 23°C	32	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	2	J	ASTM D 3763
Multiaxial Impact	0	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 0.45 MPa, 3.2 mm, unannealed	79	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	67	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.01E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.08E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.01E-04	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	1.09E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	79	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	70	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.14	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.82	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.98	%	ISO 294
Density	1.13	g/cm ³	ISO 1183

ELECTRICAL	Value	Unit	Standard
Volume Resistivity	1.E+09 - 1.E+11	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+09 - 1.E+11	Ohm	ASTM D 257

Source GMD, last updated:02/27/2007

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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