

LNP* Stat-loy* Compound AX06484X

Americas: COMMERCIAL

Also known as: SL AX06484 BK8-114
Product Reorder Name: AX06484X

LNP* Stat-Loy* AX06484 is a compound based on ABS resin containing mineral filler. Characteristics of this grade is it is extrudeable and static dissipative.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	28	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	25	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	2.6	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	3120	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	51	MPa	ASTM D 790
Flexural Stress, brk, 1.3 mm/min, 50 mm span	50	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2750	MPa	ASTM D 790
Tensile Stress, yield, 5 mm/min	26	MPa	ISO 527
Tensile Stress, break, 5 mm/min	26	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	2.1	%	ISO 527
Tensile Strain, break, 5 mm/min	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	2540	MPa	ISO 527
Flexural Stress	45	MPa	ISO 178
Flexural Modulus, 2 mm/min	2590	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	441	J/m	ASTM D 4812
Izod Impact, notched, 23°C	44	J/m	ASTM D 256
Multiaxial Impact	1	J	ISO 6603
Instrumented Impact Total Energy, 23°C	3	J	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	25	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	97	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	76	°C	ASTM D 648
CTE, -30°C to 30°C, flow	9.5E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	6.2E-05	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	93	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	76	°C	ISO 75/Af
PHYSICAL			
Density	1.39	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	3.8	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.4 - 0.6	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	5.6	%	ISO 62
ELECTRICAL			
	Value	Unit	Standard

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	70 - 80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05 - 0.1	%
Melt Temperature	200 - 210	°C
Front - Zone 3 Temperature	205 - 215	°C
Middle - Zone 2 Temperature	195 - 205	°C
Rear - Zone 1 Temperature	180 - 195	°C
Mold Temperature	10 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:07/28/2008

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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