

LNP™ STAT-LOY™ COMPOUND 9X03508

PDX-03508
REGION ASIA

DESCRIPTION

LNP* STAT-LOY* 9X03508 is a compound based on PPO+PA66 resin containing Proprietary Filler(s). Added features of this material include: Antistatic, Flame Retardant, High Impact.

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	53	MPa	ASTM D 638
Tensile Stress, break	53	MPa	ASTM D 638
Tensile Strain, yield	2.1	%	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	4820	MPa	ASTM D 638
Flexural Stress	82	MPa	ASTM D 790
Tensile Stress, yield	59	MPa	ISO 527
Tensile Stress, break	58	MPa	ISO 527
Tensile Strain, yield	2.5	%	ISO 527
Tensile Strain, break	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	4470	MPa	ISO 527
Flexural Stress	96	MPa	ISO 178
Flexural Modulus	4000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	427	J/m	ASTM D 4812
Izod Impact, notched, 23°C	37	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	8	J	ASTM D 3763
Multiaxial Impact	1	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	26	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	230	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	186	°C	ASTM D 648

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
CTE, -40°C to 40°C, flow	6.48E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	4.32E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	6.5E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	4.3E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	218	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	179	°C	ISO 75/Af
PHYSICAL			
Density	1.31	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.9	%	ASTM D 570
Density	1.31	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+10 – 1.E+12	Ohm	ASTM D 257
MECHANICAL PROPERTIES			
Flexural modulus	3440	MPa	ISO 178/1A
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	200 – 230	°C	
Front - Zone 3 Temperature	220 – 230	°C	
Middle - Zone 2 Temperature	210 – 220	°C	
Rear - Zone 1 Temperature	200 – 210	°C	
Mold Temperature	40 – 55	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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