

LNP* Stat-loy* Compound M3000C

Americas: COMMERCIAL

Also known as: STAT-LOY M- CCS BK8-115
Product Reorder Name: M3000C

LNP* Stat-Loy* M3000C is an anti-static compound based on Polypropylene. Characteristics are Clean Compound System.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	18	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	689	%	ASTM D 638
Tensile Modulus, 50 mm/min	760	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	24	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	860	MPa	ASTM D 790
Tensile Stress, break, 5 mm/min	24	MPa	ISO 527
Tensile Strain, break, 5 mm/min	690	%	ISO 527
Tensile Modulus, 1 mm/min	1180	MPa	ISO 527
Flexural Stress	38	MPa	ISO 178
Flexural Modulus, 2 mm/min	1960	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	75	J/m	ASTM D 256
Multiaxial Impact	25	J	ISO 6603
Instrumented Impact Total Energy, 23°C	29	J	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	74	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	49	°C	ASTM D 648
CTE, -30°C to 30°C, flow	1.28E-04	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	1.31E-04	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	75	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	49	°C	ISO 75/Af
PHYSICAL			
Density	0.93	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.16	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	1 - 2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1 - 2	%	ASTM D 955
Density	0.93	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.16	%	ISO 62
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.2E+01	Ohm	ASTM D 257

Source GMD, last updated:2009/01/13

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	70 - 80	°C

Drying Time	4	hrs
Melt Temperature	190 - 200	°C
Front - Zone 3 Temperature	200 - 210	°C
Middle - Zone 2 Temperature	195 - 205	°C
Rear - Zone 1 Temperature	180 - 195	°C
Mold Temperature	30 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:2009/01/13

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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