

SABIC Innovative Plastics LNP STAT-LOY NX03583 PC+ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

LNP STAT-LOY* NX03583 is a compound based on PC+ABS Blend resin. Added features of this material include: Antistat, Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-NX03583-PCABS.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 MPa	7110 psi	ASTM D638
Tensile Strength, Yield	56.0 MPa	8120 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Elongation at Yield	100 %	100 %	ASTM D638
Tensile Modulus	2.15 GPa	312 ksi	50 mm/min; ASTM D638
Flexural Strength	84.0 MPa	12200 psi	ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	ASTM D790
Izod Impact, Notched	6.40 J/cm	12.0 ft-lb/in	ASTM D256
Dart Drop, Total Energy	38.0 J	28.0 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	99.0 Å°C @Thickness 3.20 mm	210 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0626 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+10 - 1.00e+12 ohm	1.00e+10 - 1.00e+12 ohm	ASTM D257

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