

SABIC Innovative Plastics LNP STAT-LOY N30009 PC+ABS (Asia Pacific)

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

Material Notes:

LNP* Stat-loy* N30009 is a compound based on PC+ABS Blend resin containing Flame Retardant, Anti-Static. 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-N30009-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0053 - 0.0065 cm/cm @Time 86400 sec	0.0053 - 0.0065 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0053 - 0.0065 cm/cm @Time 86400 sec	0.0053 - 0.0065 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 MPa	7110 psi	ASTM D638
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	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)	100 Â°C @Thickness 3.20 mm	212 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	ASTM D257

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