

LNP* Stat-Loy* 9X05426C

Polymethyl Methacrylate Acrylic
SABIC Innovative Plastics

Product Description

LNP* Stat-loy* 9X05426C is a compound based on PMMA resin containing Anti-Static. Added features of this material include: Antistat.

Also known as: LNP* Stat-Loy* Compound PDX-05426 CCS BL5-343-2 TP
Product reorder name: 9X05426C

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antistatic
Features	• Antistatic
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.14 g/cm ³	ASTM D792 ISO 1183
Molding Shrinkage		
Flow: 24 hr	0.80 %	ASTM D955
Across Flow: 24 hr	1.0 %	ASTM D955
Across Flow: 24 hr	0.98 %	ISO 294-4
Flow: 24 hr	0.82 %	ISO 294-4

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus		
-- ²	1750 MPa	ASTM D638
--	1480 MPa	ISO 527-2/1
Tensile Strength		
Yield	42.7 MPa	ASTM D638
Yield	42.0 MPa	ISO 527-2
Break	40.7 MPa	ASTM D638
Break	39.0 MPa	ISO 527-2
Tensile Elongation		
Yield	6.7 %	ASTM D638
Yield	6.2 %	ISO 527-2
Break	18 %	ASTM D638
Break	20 %	ISO 527-2
Flexural Modulus		
--	1660 MPa	ASTM D790
--	1410 MPa	ISO 178
Flexural Strength		
--	55.2 MPa	ASTM D790
--	44.8 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	32 J/m	ASTM D256
23°C ³	4.2 kJ/m ²	ISO 180/1A
Unnotched Izod Impact		
23°C	540 J/m	ASTM D4812
23°C ³	46 kJ/m ²	ISO 180/1U
Instrumented Dart Impact		
23°C, Energy at Peak Load	2.85 J	ASTM D3763
--	0.772 J	ISO 6603-2