

Ineos ABS NOVODUR® P2L-AT ABS, Injection Grade (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Injection molding grade, very easy flow, antistatic, high stiffness, high gloss. Applications: Telephones, household goods, disk and video housings, office equipment. Information provided by the manufacturer. Novodur is produced by Styrolution (2014). This grade was discontinued prior to Styrolution's acquisition of the Novodur product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-NOVODUR-P2L-AT-ABS-Injection-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Water Absorption	0.30 %	0.30 %	Saturation in water
Water Absorption at Saturation	0.30 %	0.30 %	
Melt Flow	45 g/10 min @Load 10.0 kg, Temperature 220 °C	45 g/10 min @Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	
Elongation at Yield	2.1 %	2.1 %	
Tensile Modulus	2.70 GPa	392 ksi	
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	
	0.350 J/cm ² @Temperature -30.0 °C	1.67 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	
Vicat Softening Point	96.0 °C	205 °F	

Thermal Properties	^{HB} Metric	^{HB} English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Constant	3.0	3.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.1	3.1	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	31.0 kV/mm	787 kV/in	
Dissipation Factor	0.0080	0.0080	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0080	0.0080	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

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