

Ineos ABS Lustran® M201AS

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

Material Notes:

Increased chemical resistance compared to P2x, contains antistatic additives.,Property data per ISO test methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-M201AS.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	19 g/10 min @Load 10.0 kg, Temperature 220 °C	19 g/10 min @Load 22.0 lb, Temperature 428 °F	Estimated using room temperature density

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	47.0 MPa	6820 psi	
Elongation at Yield	2.5 %	2.5 %	
Tensile Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	14.0 J/cm ²	66.6 ft-lb/in ²	
	8.00 J/cm ² @Temperature -30.0 °C	38.1 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.90 J/cm ²	9.04 ft-lb/in ²	
	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	0.800 Åµm/m-Å°C @Temperature 20.0 Å°C	0.444 Åµin/in-Å°F @Temperature 68.0 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	100 Å°C	212 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	96.0 Å°C	205 Å°F	
Vicat Softening Point	98.0 Å°C	208 Å°F	
	HB	HB	

Thermal Properties	Metric	English	Comments
	@ Thickness 1.60 mm	@ Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Surface Resistance	$\geq 1.00 \times 10^{15}$ ohm	$\geq 1.00 \times 10^{15}$ ohm	
Dielectric Constant	2.9	2.9	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.0	3.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	34.0 kV/mm	864 kV/in	
Dissipation Factor	0.0060	0.0060	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0090	0.0090	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

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