

Ineos ABS Lustran® H605

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

Material Notes:

Low emission, easy flowing, Property data per ISO test methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-H605.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	26 g/10 min @Load 10.0 kg, Temperature 220 °C	26 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	9.00 J/cm ²	42.8 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	1.70 J/cm ²	8.09 ft-lb/in ²	
	0.700 J/cm ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	
Vicat Softening Point	101 °C	214 °F	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	$\geq 1.00 \times 10^{15}$ ohm	$\geq 1.00 \times 10^{15}$ 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	33.0 kV/mm	838 kV/in	
Dissipation Factor	0.0050	0.0050	
	@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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