

Ineos ABS Lustran® SAN Sparkle Highest-Clarity

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Transparent

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-SAN-Sparkle-Highest-Clarity.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955
Melt Flow	12 g/10 min @Load 3.80 kg, Temperature 230 °C	12 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	75	75	ASTM D785
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ASTM D638
Tensile Modulus	3.20 GPa	464 ksi	ASTM D638
Flexural Yield Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	3.40 GPa	493 ksi	ASTM D790
Izod Impact, Notched	0.200 J/cm @Thickness 3.17 mm	0.375 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	1.60 J/cm @Thickness 3.17 mm	3.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	68.0 µm/m-°C @Temperature 20.0 °C	37.8 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C @Thickness 12.7 mm	199 °F @Thickness 0.500 in	Unannealed; ASTM D648
Vicat Softening Point	108 °C	226 °F	Rate B; ASTM D1525
UL RTI, Electrical	50.0 °C @Thickness 1.60 mm	122 °F @Thickness 0.0630 in	UL 746B

Thermal Properties UL RTI, Mechanical with Impact	^{50.0 Â°C} Metric	^{122 Â°F} English	Comments UL 746B
	@Thickness 1.60 mm	@Thickness 0.0630 in	
UL RTI, Mechanical without Impact	50.0 Â°C	122 Â°F	UL746B
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Flammability, UL94	HB	HB	Clear color
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	HB	HB	Clear color
	@Thickness 1.57 mm	@Thickness 0.0618 in	

Optical Properties	Metric	English	Comments
Refractive Index	1.57	1.57	ASTM D542
Haze	0.70 %	0.70 %	ASTM D1003
	@Thickness 3.17 mm	@Thickness 0.125 in	
Transmission, Visible	89.5 %	89.5 %	ASTM D1003
	@Thickness 3.20 mm	@Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Melt Temperature	205 - 260 Â°C	401 - 500 Â°F	

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