

Ineos ABS Lustran® ABS 970

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

Material Notes:

Lustran® ABS 970 has high impact strength and good paintability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-970.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 294-4
Melt Flow	22 g/10 min @Load 10.0 kg, Temperature 220 °C	22 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ISO 2039-2
Tensile Strength at Break	31.0 MPa	4500 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	41.0 MPa	5950 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	20 %	20 %	50 mm/min; acc. ISO 527-1,-2
Tensile Modulus	2.25 GPa	326 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	67.0 MPa	9720 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ² @Temperature -30.0 °C	5.23 ft-lb/in ² @Temperature -22.0 °F	ISO 180-1A
	17.0 kJ/m ² @Temperature -20.0 °C	8.09 ft-lb/in ² @Temperature -4.00 °F	ISO 180-1A
	25.0 kJ/m ² @Temperature 23.0 °C	11.9 ft-lb/in ² @Temperature 73.4 °F	ISO 180-1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ISO 75-1,-2

Thermal Properties (20°C)	Metric @Load 5.10 kg	English @Load 11.2 lb	Comments ISO 151,2
Vicat Softening Point	98.0 °C	208 °F	120°C/hour; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Gloss	89 %	89 %	Angle 60°; ISO 2813

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China