

Ineos ABS Lustran® ABS 650 Injection Molding Grade

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

Material Notes:

Lustran® ABS 650 has high impact strength, high flow, and is injection molding grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-650-Injection-Molding-Grade.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	22 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ISO 2039-2
Tensile Strength at Break	33.0 MPa	4790 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	44.0 MPa	6380 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	68.0 MPa	9860 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180-1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180-1A
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	22.0 kJ/m ²	10.5 ft-lb/in ²	ISO 180-1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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 SI UNITS	English UNITS	Comments ISO 15, 1, 2
Vicat Softening Point	98.0 °C @Load 5.10 kg	208 °F @Load 11.2 lb	120°C/hour; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Gloss	87 %	87 %	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