

## Ineos ABS Lustran® ABS 250 Injection Molding Grade

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

### Material Notes:

Lustran® ABS 250 has standard 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-250-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-250-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 294-4
Melt Flow	38 g/10 min @Load 10.0 kg, Temperature 220 °C	38 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ISO 2039-2
Tensile Strength at Break	35.0 MPa	5080 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	49.0 MPa	7110 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	20 %	20 %	50 mm/min; acc. ISO 527-1,-2
Tensile Modulus	2.50 GPa	363 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	75.0 MPa	10900 psi	2 mm/min; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180-1A
	11.0 kJ/m <sup>2</sup> @Temperature -20.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 180-1A
	14.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	6.66 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180-1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	ISO 75-1,-2

Thermal Properties (20°C/68°F) Tensile strength at 1.8 MPa (264 psi)	Metric 92.0 Å C	English 198 Å F	Comments ISO 18, 1, 2
Vicat Softening Point	99.0 Å C @Load 5.10 kg	210 Å F @Load 11.2 lb	120 Å C/hour; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Angle 60 Å ; ISO 2813

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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