

Ineos ABS Lustran® 648

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

Material Notes:

Key Features: Unfilled High impact or high impact modified Suitable processing methods: Injection molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-648.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	18 g/10 min @Load 10.0 kg, Temperature 220 °C	18 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.4 MPa	6150 psi	
Elongation at Break	33 %	33 %	Nominal
Elongation at Yield	3.3 %	3.3 %	
Tensile Modulus	2.26 GPa	328 ksi	
Charpy Impact Unnotched	12.0 J/cm ² @Temperature -30.0 °C	57.1 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	3.90 J/cm ² @Temperature -30.0 °C	18.6 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	92.0 µm/m-°C @Temperature 20.0 °C	51.1 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized

Thermal Properties	Metric	English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	UL Recognized

Processing Properties	Metric	English	Comments
Melt Temperature	250 Â°C	482 Â°F	Injection Molding
Mold Temperature	60.0 Â°C	140 Â°F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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