

Ineos ABS Lustran[®] M210TF ABS Pellets

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

Material Notes:

Lustran[®] ABS M210TF is used in general applications for toy and food contact. It meets European standard EN 71, part 3 and ASTM F 963. It has standard impact strength, high gloss, and is easy flowing.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-M210TF-ABS-Pellets.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	Test Condition: 150x105x3; acc. ISO 2577
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	Test Condition: 150x105x3; acc. ISO 2577
Melt Flow	30 g/10 min @Load 10.0 kg, Temperature 220 °C	30 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	90.0 MPa	13100 psi	ISO 2039-1
Tensile Strength, Yield	42.0 MPa	6090 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	>= 15 %	>= 15 %	50 mm/min; acc. ISO 527-1,-2
Tensile Modulus	2.05 GPa	297 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	62.0 MPa	8990 psi	2 mm/min; ISO 178
Flexural Modulus	2.05 GPa	297 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 23.0 °C	8.09 ft-lb/in ² @Temperature 73.4 °F	ISO 180-1A
Charpy Impact, Notched	1.10 J/cm ² @Temperature -30.0 °C	5.23 ft-lb/in ² @Temperature -22.0 °F	ISO 179-1eA
	1.70 J/cm ²	8.09 ft-lb/in ²	

Mechanical Properties	Metric @Temperature 23.0 Â°C	English @Temperature 73.4 Â°F	ISO 179-1eA Comments
-----------------------	------------------------------------	----------------------------------	-------------------------

Thermal Properties	Metric	English	Comments
CTE, linear	100 Âµm/m-Â°C @Temperature 23.0 - 55.0 Â°C	55.6 Âµin/in-Â°F @Temperature 73.4 - 131 Â°F	ISO 11359-1,-2; Parallel to Flow
CTE, linear, Transverse to Flow	97.0 Âµm/m-Â°C @Temperature 23.0 - 55.0 Â°C	53.9 Âµin/in-Â°F @Temperature 73.4 - 131 Â°F	ISO 11359-1,-2
Deflection Temperature at 0.46 MPa (66 psi)	98.0 Â°C	208 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	94.0 Â°C	201 Â°F	ISO 75-1,-2
Vicat Softening Point	95.0 Â°C @Load 5.10 kg	203 Â°F @Load 11.2 lb	50Â°C/hour; ISO 306
	98.0 Â°C @Load 5.10 kg	208 Â°F @Load 11.2 lb	120Â°C/hour; ISO 306
Flame Spread	63 mm/min	2.5 in/min	(US-FMVSS); ISO 3795
Glow Wire Test	700 Â°C	1290 Â°F	GWFI; IEC 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+18 ohm-cm	1.00e+18 ohm-cm	IEC 60093
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	IEC 60093
Dielectric Constant	2.9 @Frequency 100 Hz	2.9 @Frequency 100 Hz	IEC 60250
	2.9 @Frequency 1.00e+6 Hz	2.9 @Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	35.0 kV/mm @Thickness 1.00 mm	889 kV/in @Thickness 0.0394 in	IEC 60243-1
Dissipation Factor	0.0073 @Frequency 100 Hz	0.0073 @Frequency 100 Hz	IEC 60250
	0.0090 @Frequency 1.00e+6	0.0090 @Frequency 1.00e+6	IEC 60250

Electrical Properties	Hz Metric	Hz English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	240 Â°C	464 Â°F	Injection Molding; ISO 294
Mold Temperature	80.0 Â°C	176 Â°F	Injection Molding; ISO 294
Injection Velocity	240 mm/sec	9.45 in/sec	Injection Molding; ISO 294

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