

## Bhansali Engineering Abstron IM21M ABS Injection Molding Grade

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

**Material Notes:**

Medium Flow, Medium Impact, Medium Rigidity Information provided by Bhansali

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bhansali-Engineering-Abstron-IM21M-ABS-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-IM21M-ABS-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.045 g/cc	1.045 g/cc	ASTM D792
Linear Mold Shrinkage	0.00400 - 0.00600 cm/cm	0.00400 - 0.00600 in/in	ASTM D955
Melt Flow	32.0 g/10 min @Load 10.0 kg, Temperature 220 °C	32.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength, Yield	48.1 MPa @Thickness 3.20 mm	6970 psi @Thickness 0.126 in	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	70.6 MPa @Thickness 6.40 mm	10200 psi @Thickness 0.252 in	5 mm/min; ASTM D790
Flexural Modulus	2.35 GPa @Thickness 6.40 mm	341 ksi @Thickness 0.252 in	5 mm/min; ASTM D790
Izod Impact, Notched	1.67 J/cm @Thickness 6.40 mm	3.12 ft-lb/in @Thickness 0.252 in	ASTM D256
	2.06 J/cm @Thickness 3.20 mm	3.86 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C @Thickness 6.40 mm	203 °F @Thickness 0.252 in	Method A; ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

## **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**