

## Bhansali Engineering Abstron SE-45 ABS Sheet Extrusion Grade

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Super high and Very High Impact Sheeting grades for Automobile & Luggage Applications Information provided by Bhansali

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bhansali-Engineering-Abstron-SE-45-ABS-Sheet-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_Bhansali-Engineering-Abstron-SE-45-ABS-Sheet-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.045 g/cc	0.03775 lb/in <sup>3</sup>	ASTM D-792
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D-955
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 220 °C	5.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D-785
Tensile Strength, Yield	38.2 MPa @Thickness 3.20 mm	5550 psi @Thickness 0.126 in	Type 1; 5mm/min speed; ASTM D638
Flexural Yield Strength	54.92 MPa @Thickness 6.40 mm	7965 psi @Thickness 0.252 in	ASTM D790
Flexural Modulus	1.86 GPa @Thickness 6.40 mm	270 ksi @Thickness 0.252 in	ASTM D790
Izod Impact, Notched	4.4118 J/cm @Thickness 6.40 mm	8.2651 ft-lb/in @Thickness 0.252 in	ASTM D256
	5.6863 J/cm @Thickness 3.20 mm	10.653 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	Method A - Annealed; ASTM D-648
Vicat Softening Point	103 °C	217 °F	Method B; ASTM D-1525
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	UL-94

## **Contact Songhan Plastic Technology Co.,Ltd.**

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