

SABIC PS 330 High Impact Polystyrene for Sheet Extrusion

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Product Description: High Impact Polystyrene PS 330 is manufactured by continuous mass polymerization of styrene monomer. An elastomer is incorporated during polymerization to achieve impact resistance. It is generally opaque in color. It is a high impact strength polystyrene with a high heat deflection temperature and good physical properties. **Typical Applications:** It is primarily designed for extrusion and thermoforming applications. It can be used for food packaging and dairy products. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PS-330-High-Impact-Polystyrene-for-Sheet-Extrusion.php

Physical Properties	Metric	English	Comments
Bulk Density	0.600 g/cc	0.0217 lb/in ³	ASTM D1895B
Density	1.04 g/cc	0.0376 lb/in ³	Load Density; ASTM D792
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	67	67	ASTM D785
Hardness, Rockwell M	10	10	ASTM D785
Tensile Strength at Break	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Tensile Modulus	2.353 GPa	341.3 ksi	ASTM D638
Flexural Strength	44.0 MPa	6380 psi	ASTM D790
Flexural Modulus	2.647 GPa	383.9 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648
Vicat Softening Point	99.0 °C @Load 1.00 kg	210 °F @Load 2.20 lb	ASTM D1525B
Flammability, UL94	HB @Thickness 1.30 mm	HB @Thickness 0.0512 in	

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

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