Chevron Phillips EA6740 Rubber Modified Polystyrene

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

Material Notes:

DescriptionChevron EA6740 is a high impact polystyrene material developed for packaging applications. Its processing characteristics make EA6740 excellent for extrusion and deep-draw thermoforming. This material provides good surface smoothness, moderately high heat distortion and excellent practical toughness. The excellent elongation and flexibility properties make EA6740 superior to most common extrusion grades in practical toughness.ApplicationsChevron EA6740 is recommended for such applications as ice cream containers, container lids, cups for hot and cold drinks, conical cup liners, individual portion containers, dairy containers, box liners and medical trays. Information provided by Chevron Phillips Chemical Company.The Chevron Phillips polystyrene product line was transferred to Americas Styrenics in 2008.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chevron-Phillips-EA6740-Rubber-Modified-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in³	ASTM D792
Melt Flow	3.2 g/10 min	3.2 g/10 min	Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ASTM D785
Tensile Strength at Break	17.9 MPa	2600 psi	at 2.0 in/min; ASTM D638
Tensile Strength, Yield	16.5 MPa	2400 psi	at 2.0 in/min; ASTM D638
Elongation at Break	85 %	85 %	ASTM D638
Tensile Modulus	1.59 GPa	230 ksi	ASTM D638
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	1/4 in. at 73°F; ASTM D256
	1.23 J/cm	2.30 ft-lb/in	1/8 in.; ASTM D256
	0.694 J/cm @Temperature -17.8 °C	1.30 ft-lb/in @Temperature 0.000 °F	0.125 in (3.2 mm) sample; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Unannealed specimen; ASTM D648
Vicat Softening Point	101 °C	213 °F	ASTM D1525

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