

## Chevron Phillips EB6025 HIPS - High Impact Polystyrene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

Rubber modified high impact polystyrene. Applications: Cosmetic packaging Shower surrounds Point of purchase displays Thin-wall injection molding and thermoforming Features: Smooth, glossy surface finish Good durability High impact and stiffness Excellent toughness Information provided by Chevron Phillips 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-EB6025-HIPS-High-Impact-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-EB6025-HIPS-High-Impact-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D-792
Bulk Density	0.609 - 0.673 g/cc	0.0220 - 0.0243 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	24 hours; ASTM D-955
Melt Flow	3.0 g/10 min @Load 5.00 kg, Temperature 200 °C	3.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	2.0 in/min; 0.050" thickness; ASTM D-638
Elongation at Yield	65 %	65 %	2.0 in/min; 0.050" thickness; ASTM D-638
Tensile Modulus	2.00 GPa	290 ksi	2.0 in/min; 0.050" thickness; ASTM D-638
Flexural Strength	39.0 MPa	5660 psi	0.1 in/min; 0.250" thickness; ASTM D-790B
Flexural Modulus	2.00 GPa	290 ksi	0.1 in/min; 0.250" thickness; ASTM D-790B
Izod Impact, Notched	1.28 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	2.40 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	83.0 °C @Thickness 6.35 mm	181 °F @Thickness 0.250 in	ASTM D-648
Vicat Softening Point	99.0 °C	210 °F	Rate B; ASTM D-1525

Thermal Properties	@Thickness 6.35 mm Metric	@Thickness 0.250 in English	Comments
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