

Chevron Phillips MD6800 HIPS - High Impact Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Rubber modified high impact polystyrene. Applications: Displays and retail product shelving Durable household applications Thin to medium thickness parts that require a combination of high flow and good toughness Features: Excellent practical toughness Medium/low gloss Balance of stiffness and toughness UL classification 94HB 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-MD6800-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 ³	
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	24 hours; ASTM D-955
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	2.0 in/min; 0.125" thickness; ASTM D-638
Elongation at Yield	45 %	45 %	2.0 in/min; 0.125" thickness; ASTM D-638
Tensile Modulus	2.07 GPa	300 ksi	2.0 in/min; 0.125" thickness; ASTM D-638
Flexural Strength	41.0 MPa	5950 psi	0.1 in/min; 0.250" thickness; ASTM D-790B
Flexural Modulus	1.95 GPa	283 ksi	0.1 in/min; 0.250" thickness; ASTM D-790B
Izod Impact, Notched	1.17 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	2.19 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)	78.0 °C @Thickness 6.35 mm	172 °F @Thickness 0.250 in	ASTM D-648
Vicat Softening Point	94.0 °C	201 °F	Rate B; ASTM D-1525

Thermal Properties	@Thickness 6.35 mm Metric	@Thickness 0.250 in English	Comments
Flammability, UL94	HB	HB	

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