

## Americas Styrenics STYRON® 675 High Heat Crystal Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

**Material Notes:**

Product Characteristics High heat Medium flow Food Contact Compliant UL Classification 94HB Typical Applications Thin-walled parts Information provided by Americas Styrenics LLC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Americas-Styrenics-STYRON-675-High-Heat-Crystal-Polystyrene.php](http://www.lookpolymers.com/polymer_Americas-Styrenics-STYRON-675-High-Heat-Crystal-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	7.5 g/10 min @Load 5.00 kg, Temperature 200 °C	7.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	107	107	ASTM D785
Tensile Strength at Break	47.6 MPa	6900 psi	ASTM D638
Tensile Strength	47.6 MPa	6900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	3.17 GPa	460 ksi	ASTM D638
Flexural Strength	56.5 MPa	8200 psi	ASTM D790
Flexural Modulus	3.38 GPa	490 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	96.1 °C	205 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.7 °C	188 °F	ASTM D648
Vicat Softening Point	106 °C	223 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**