

Americas Styrenics Styron® 495R High Impact Polystyrene (discontinued **)

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

Material Notes:

Data provided by Dow Chemical.Americas Styrenics was formed in 2008 as a joint venture between Dow Chemical and Chevron Phillips Chemical Company. Styron was a Dow trade name before the JV formation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Americas-Styrenics-Styron-495R-High-Impact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM Data
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	1.1 g/10 min @Load 5.00 kg, Temperature 200 °C	1.1 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM Data
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM Data
Elongation at Break	80 %	80 %	ASTM Data
Tensile Modulus	1.46 GPa	212 ksi	ASTM Data
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM Data

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	ASTM data
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	Unannealed; ASTM Data
Vicat Softening Point	106 °C	223 °F	
Flammability, UL94	HB @Thickness 3.10 mm	HB @Thickness 0.122 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