

Americas Styrenics STYRON™ 666LR General Purpose Polystyrene Resin (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

STYRON™ 666LR is a medium flow general purpose polystyrene specifically designed to blend with styrene butadiene styrene block copolymers for packaging applications requiring high clarity, improved toughness, and low taste/odor performance. STYRON™ 666LR complies with U.S. FDA 21 CFR 177.1640. Information provided by Dow 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-666LR-General-Purpose-Polystyrene-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
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 D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	44.8 MPa	6500 psi	0.5 x 0.125 in. specimen; 0.2 in/min; ASTM D638
Tensile Strength, Yield	44.8 MPa	6500 psi	0.5 x 0.125 in. specimen; 0.2 in/min; ASTM D638
Elongation at Break	1.6 %	1.6 %	0.5 x 0.125 in. specimen; 0.2 in/min; ASTM D638
Tensile Modulus	2.92 GPa	423 ksi	0.5 x 0.125 in. specimen; 0.2 in/min; ASTM D638
Flexural Strength	89.6 MPa	13000 psi	0.05 in/min; 3-point; ASTM D790
Flexural Modulus	3.15 GPa	457 ksi	0.05 in/min; 3-point; ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	0.5 x 0.125 in.; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Vicat Softening Point	99.4 °C	211 °F	120°C/hr, 1 kg; ASTM D1525-B

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Transmission, Visible	90 %	90 %	ASTM D1003

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