

Styrolution PS 6220 HIPS

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

Material Notes:

Excellent toughness High gloss Designed for deep draw thermoforming Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-PS-6220-HIPS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	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	23.8 MPa	3450 psi	ASTM D 638
Elongation at Break	40 %	40 %	ASTM D 638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D 638
Flexural Strength	45.5 MPa	6600 psi	ASTM D 790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D 790
Izod Impact, Notched	2.03 J/cm	3.80 ft-lb/in	ASTM D 638

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D 696
Vicat Softening Point	98.9 °C @Load 1.02 kg	210 °F @Load 2.25 lb	120 °C/h; ASTM D 1525

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Specular Gloss, 60°; ASTM D 523

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.5 @Thickness 1.00 mm, Frequency 1.00e+6 Hz	2.5 @Thickness 0.0394 in, Frequency 1.00e+6 Hz	ASTM D 150

Electrical Properties

Metric ^{15.71V/mm}

English ^{400V/in}

Comments ⁰

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