

Cheng Yu Plastic IPS600UV Flame Retardant HIPS

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cheng-Yu-Plastic-IPS600UV-Flame-Retardant-HIPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Index of Compound	8.0 - 10 g/10 min	8.0 - 10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	102	102	ASTM D785
Tensile Strength, Yield	37.4 MPa	5420 psi	ASTM D638
Flexural Yield Strength	63.7 MPa	9250 psi	ASTM D790
Izod Impact, Notched	0.883 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Flammability, UL94	V-0	V-0	

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