

**Resirene Resirene® HF-777 General Purpose Polystyrene**

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

**Material Notes:**

Features:Medium FlowEasy ProcessingMechanical StrengthFDA Rating: 21 CFR 177.1640External Lubrication

AvailableApplications:InjectionToysCassette CasesCassettesDisposablesInformation provided by US distributor Calsak Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resirene-Resirene-HF-777-General-Purpose-Polystyrene.php](http://www.lookpolymers.com/polymer_Resirene-Resirene-HF-777-General-Purpose-Polystyrene.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 at Break	37.2 MPa	5400 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	3.103 GPa	450.1 ksi	ASTM D638
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	0.5 in.; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Transmission, Visible	88 %	88 %	ASTM D1003

**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