

## Resirene Resirene® 9720 High Impact Polystyrene

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

**Material Notes:**

Features:Medium FlowHigh Thermal ResistantMechanical StrengthFDA Rating: 21 CFR

177.1640Applications:Extrusion/ThermoformingInjectionDisposablesGPPS/HIPS BlendsInformation provided by US distributor Calsak Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resirene-Resirene-9720-High-Impact-Polystyrene.php](http://www.lookpolymers.com/polymer_Resirene-Resirene-9720-High-Impact-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	3.3 g/10 min @Load 5.00 kg, Temperature 200 °C	3.3 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.2 MPa	3650 psi	ASTM D638
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	61 %	61 %	ASTM D638
Tensile Modulus	2.068 GPa	299.9 ksi	ASTM D638
Izod Impact, Notched	0.720 J/cm	1.35 ft-lb/in	0.5 in.; ASTM D256
	0.910 J/cm	1.70 ft-lb/in	0.125 in.; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	ASTM D648
Flammability, UL94	HB	HB	

## 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