

## Supreme Petrochem SP 731 9920 High Impact Polystyrene

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

### Material Notes:

Characteristics Speciality grade containing silicon oil to provide wear resistance and high opacity jet black color Easy flowing grade

Processing Injection molding Applications Camera parts Photographic equipment parts Material Status: Commercial : Active Agency

Ratings: FDA 21 CFR 177.1640 Information provided by Supreme Petrochem LTD

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Supreme-Petrochem-SP-731-9920-High-Impact-Polystyrene.php](http://www.lookpolymers.com/polymer_Supreme-Petrochem-SP-731-9920-High-Impact-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	24.5 MPa	3550 psi	50 mm/min; ASTM D638
Elongation at Break	50 %	50 %	50 mm/min; ASTM D638
Flexural Strength	40.2 MPa	5830 psi	ASTM D790
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
	@Thickness 3.20 mm	@Thickness 0.126 in	
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256
	@Thickness 3.20 mm	@Thickness 0.126 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	ASTM D648
Vicat Softening Point	99.0 °C	210 °F	1kg / 120°C; ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 260 °C	356 - 500 °F	

Mold Temperature Processing Properties	40.0 - 60.0 °C Metric	104 - 140 °F English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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