

## Supreme Petrochem SC 202LV General Purpose Polystyrene

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

### Material Notes:

Characteristics: High strength grade, Excellent process ability, High Clarity, Processing: Injection molding, Applications: Ball pen barrels, geometrical instruments etc. Suitable for fast cycling products like CD jewel boxes. Material Status: Commercial : Active, Agency Ratings: FDA 21 CFR 177.1640, UL file E185934. Information provided by Supreme Petrochem LTD

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Supreme-Petrochem-SC-202LV-General-Purpose-Polystyrene.php](http://www.lookpolymers.com/polymer_Supreme-Petrochem-SC-202LV-General-Purpose-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	4.5 g/10 min	4.5 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	47.1 MPa	6830 psi	50 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	50 mm/min; ASTM D638
Flexural Strength	78.5 MPa	11400 psi	ASTM D790
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flexural Modulus	2.84 GPa	412 ksi	ASTM D790
	@Thickness 3.20 mm	@Thickness 0.126 in	
Izod Impact, Notched	0.200 J/cm	0.375 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)	79.0 Â°C	174 Â°F	ASTM D648
Vicat Softening Point	97.0 Â°C	207 Â°F	1kg / 120Â°C; ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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

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

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