

Shuman SP810 Black Polystyrene High Impact

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

Material Notes:

Good impact strength, easy processability, good surface appearance, ULInformation provided by Shuman Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shuman-SP810-Black-Polystyrene-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	4.0 - 8.0 g/10 min	4.0 - 8.0 g/10 min	multiple ranges available; ASTM D1238
	6.0 - 10 g/10 min	6.0 - 10 g/10 min	ASTM D1238
	8.0 - 12 g/10 min	8.0 - 12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	60	60	ASTM D785
Tensile Strength	30.36 MPa	4404 psi	ASTM D638
Izod Impact, Notched	>= 0.961 J/cm	>= 1.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	79.6 Åµm/m-Å°C	44.2 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Å°C	167 Å°F	ASTM D648
Vicat Softening Point	97.2 Å°C	207 Å°F	ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.57 mm	@Thickness 0.0618 in	

Processing Properties	Metric	English	Comments
Processing Temperature	204 - 227 Å°C	400 - 440 Å°F	

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