

**PolyOne Synprene® ST-6250 Thermoplastic Elastomer - SBC (discontinued \*\*)**

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

**Material Notes:**

Description/Features:Over-Molding GradeUV StabilizedApplications:Multi-PurposeProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Synprene-ST-6250-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Synprene-ST-6250-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	5 sec; ASTM D2240
Tensile Strength, Yield	6.07 MPa	880 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	1.83 MPa @Strain 100 %	265 psi @Strain 100 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	3.72 MPa @Strain 300 %	540 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	615 %	615 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	28.0 kN/m	160 pli	Die C (graves), 20 in/min; ASTM D624

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