

## ExxonMobil Santoprene® 8271-80HT Thermoplastic Rubber (discontinued \*\*)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

Description: A colorable thermoplastic elastomer which complies with FDA regulations for rubber articles intended for repeated use. It can be processed using injection molding or extrusion melt processing techniques. The material offers enhanced tensile, tear, and abrasion properties along with improved processability and finished part appearance. Supplied as free-flowing pellets in 25 kilogram (55 pound) moisture barrier bags. Product Notes: Values are for injection molded plaques, side gated. 82.6 mm x 117.5 mm x 3 mm Information provided by Advanced Elastomer Systems.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-8271-80HT-Thermoplastic-Rubber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8271-80HT-Thermoplastic-Rubber-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	5 seconds; ASTM D2240
Tensile Strength at Break	11.9 MPa	1720 psi	Across flow; ASTM D412
Tensile Strength, Yield	2.90 MPa @Strain 100 %	420 psi @Strain 100 %	across flow; ASTM D412
Elongation at Break	700 %	700 %	Across flow; ASTM D412
Tear Strength	43.8 kN/m	250 pli	ASTM D624
Abrasion	49	49	mm<sup>3</sup>; DIN 53516
Compression Set	27 %	27 %	73°C, 70 hr, Method B; ASTM D395
	43 %	43 %	158°F, 70 hr, Method B; ASTM D395
Tensile Set	25 %	25 %	ASTM D412

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness >=1.50 mm	HB @Thickness >=0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 215 °C	360 - 419 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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