

## ExxonMobil Santoprene® 281-73MED Thermoplastic Elastomer (discontinued \*\*)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

### Material Notes:

A soft, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. USP Class VI Certificates of Compliance exist for representative samples of our medical grades. Prior to release, each medical grade lot undergoes a Cytotoxicity study using the ISO elution method and a Physico-Chemical - Elastomeric Closures test for heavy metals such as lead. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and completely recyclable. Information provided by Advanced Elastomer Systems

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-281-73MED-Thermoplastic-Elastomer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-281-73MED-Thermoplastic-Elastomer-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	.12 in; ASTM D2240
Tensile Strength at Break	9.2355 MPa	1339.5 psi	Air at 212°F, 168 hr; ASTM D573
	9.72 MPa	1410 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	3.59 MPa	520 psi	Across Flow; ASTM D412
Elongation at Break	483.6 %	483.6 %	Air at 212°F, 168 hr; ASTM D573
	520 %	520 %	Across Flow; ASTM D412
Tear Strength	15.1 kN/m	86.0 pli	212°F, Die C; ASTM D624
	27.0 kN/m	154 pli	73°F, Die C; ASTM D624
Compression Set	25 %	25 %	73°F, 168 hr; ASTM D395
	62 %	62 %	212°F, 168 hr; ASTM D395

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	

Descriptive Properties	Value	Comments
Change in Mass in IRM 903 Oil at 257°F for 70 hr	118	
Color	Natural Color	

Descriptive Properties

Ballots  
Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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