

Advanced Elastomer Systems Santoprene® 8281-35W237 Thermoplastic Rubber (discontinued **)

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

Material Notes:

Description: A colorable thermoplastic medical grade elastomer. It has USP Class VI Certificate of Compliance for biocompatibility and can be processed using injection molding, extrusion, or other melt processing techniques. Supplied as free-flowing pellets in 25 kilogram (55 pound) moisture barrier bags. **Features:** Non-hygroscopic product, requires little to no drying before processing. Neutral, easy coloring formulation. USP Class VI Certificate of Compliance. Drug Master File established with FDA. **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. Advanced Elastomer Systems is now a part of ExxonMobil. This grade was removed from the Advanced Elastomers Systems standard product line before the ExxonMobil acquisition.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Elastomer-Systems-Santoprene-8281-35W237-Thermoplastic-Rubber-nbspdiscontinued-.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35	35	5 seconds; ASTM D2240
	40	40	5 seconds, After oven air aging 168 hours @ 150°C; ASTM D2240
Tensile Strength at Break	1.86 MPa	270 psi	After oven air again 168 hrs. @ 150°C; ASTM D412
	3.10 MPa	450 psi	Across flow; ASTM D412
Tensile Strength, Yield	1.00 MPa	145 psi	At 100% elongation, across flow; ASTM D412
Elongation at Break	270 %	270 %	After oven air aging 168 hrs. @ 150°C; ASTM D412
	450 %	450 %	Across flow; ASTM D412
Tear Strength	3.68 kN/m	21.0 pli	212°F; ASTM D624
	12.1 kN/m	69.0 pli	73°F; ASTM D624
Compression Set	15 %	15 %	73°F, 170 hr, Method B; ASTM D395
Tensile Set	5.0 %	5.0 %	ASTM D412

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Brittleness Temperature Thermal Properties	-62.0 °C Metric	-79.6 °F English	ASTM D746 Comments
---	--------------------	---------------------	-----------------------

Processing Properties	Metric	English	Comments
Processing Temperature	177 - 232 °C	351 - 450 °F	
Drying Temperature	82.0 °C	180 °F	Desiccant Dryer
Dry Time	3 hour	3 hour	Desiccant Dryer

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China