



Santoprene®

general product information

Product
Medical Grade Thermoplastic Rubber

Full Name
Santoprene®

Application
Medical, Pharmaceutical, Laboratory & Industrial
For use with Peristaltic Pumps

Characteristics
Good Chemical Resistance, Flexible and Strong
Good Handling Characteristics
Abrasion Resistant, Non-Toxic
Excellent Pumping Life

Temperature Range
-50°C to +135°C (-58°F to +275°F)

Sterilizations
Gamma Irradiation
Autoclave (Unbridged Tubing)

Hardness
64 Shore A
Other hardness grades to special order

Elongation at Break
440%

Certification
Meets USP Class VI
US Pharmacopoeia Approved and Certified
FDA Approved DMF No17690

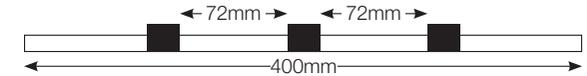
Santoprene® is a Registered Trade Mark of
Advanced Elastomer Systems, L.P.

Santoprene® Tubes - 2 Bridge



Metric I.D.	Colour Code	Part Number
0.13mm		
0.19mm		
0.25mm		SC0320
0.28mm		
0.31mm		
0.33mm		
0.36mm		
0.38mm		SC0321
0.44mm		
0.51mm		SC0322
0.57mm		
0.64mm		SC0323
0.76mm		SC0324
0.89mm		SC0325
0.95mm		
1.02mm		SC0326
1.09mm		
1.14mm		SC0327
1.22mm		
1.30mm		SC0328
1.42mm		SC0329
1.52mm		SC0330
1.65mm		SC0331
1.75mm		
1.85mm		SC0332
2.06mm		SC0333
2.29mm		SC0334
2.54mm		SC0335
2.79mm		SC0336
3.18mm		

Santoprene® Tubes - 3 Bridge



Metric I.D.	Colour Code	Part Number
0.13mm		
0.19mm		
0.25mm		SC0303
0.28mm		
0.31mm		
0.33mm		
0.36mm		
0.38mm		SC0304
0.44mm		
0.51mm		SC0305
0.57mm		
0.64mm		SC0306
0.76mm		SC0307
0.89mm		SC0308
0.95mm		
1.02mm		SC0309
1.09mm		
1.14mm		SC0310
1.22mm		
1.30mm		SC0311
1.42mm		SC0312
1.52mm		SC0313
1.65mm		SC0314
1.75mm		
1.85mm		SC0315
2.06mm		SC0316
2.29mm		SC0317
2.54mm		SC0318
2.79mm		SC0319
3.18mm		

Santoprene® Transmission Tubing

Metric I.D.	Part Number	Reel Length
0.13mm	GPR-0013-008	15m
0.19mm	GPR-0019-008	15m
0.25mm	GPR-0025-008	15m
0.38mm	GPR-0038-008	15m
0.51mm	GPR-0051-008	15m
0.64mm	GPR-0064-008	15m
0.76mm	GPR-0076-008	15m
0.89mm	GPR-0089-008	15m
1.02mm	GPR-0102-008	15m
1.14mm	GPR-0114-009	15m
1.30mm	GPR-0130-008	15m
1.42mm	GPR-0142-008	15m
1.52mm	GPR-0152-008	15m
1.65mm	GPR-0165-008	15m
1.85mm	GPR-0185-008	15m
2.06mm	GPR-0206-008	15m
2.29mm	GPR-0229-008	15m
2.54mm	GPR-0254-008	15m
2.79mm	GPR-0279-008	15m

Santoprene® Running Feet

Metric I.D.	Wall	Part Number	Reel Length
1.6mm	1.6mm	GPR-0160-016	15m
3.2mm	1.6mm	GPR-0320-016	15m
4.8mm	1.6mm	GPR-0480-016	15m
6.4mm	1.6mm	GPR-0640-016	15m
6.4mm	2.4mm	GPR-0640-024	15m
6.4mm	3.2mm	GPR-0640-032	15m
8.0mm	1.6mm	GPR-0800-016	15m
9.0mm	3.5mm	GPR-0900-035	15m
9.6mm	3.2mm	GPR-0960-032	15m

Other sizes available, contact us for a quote

Santoprene®

Santoprene® is a proprietary type of thermoplastic rubber elastomer, manufactured by Advanced Elastomer Systems L.P.

Santoprene® is a polyolefinic material, produced by a proprietary dynamic vulcanisation which produces rubber particles dispersed throughout a continuous matrix of thermoplastic. The average rubber particle size is 1µm or less, which results in favourable properties allowing easy and consistent processing.

This material combines the performance characteristics of vulcanised rubber and the processing ease of thermoplastics.

Santoprene® has properties that make it very tolerant of temperatures, chemicals and environmental abrasion.

Santoprene® is available in a range of hardnesses. The most popular hardness grade for small-bore peristaltic pump use is 64 Shore A. This gives the best combination of easy occlusion and good material recovery for effective long-life pumping. Other grades are available for alternative applications.

Medical grades of Santoprene® have a DMF file lodged with the US FDA, and are approved to USP Class VI Part XXIII.