

ExxonMobil Santoprene® 8291-65TB Thermoplastic Rubber (discontinued **)

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

Material Notes:

Description: A colorable thermoplastic elastomer which bonds to adhesive/epoxy spin-finished polyester or standard nylon fibers for closed-braid hose and woven-substrate products. With bonds stronger than the TPE itself, it generates new applications for TPE's including industrial hose, lightweight conveyor belting and fabric reinforced sheet. It can be processed using co-extrusion or other melt processing techniques. 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-8291-65TB-Thermoplastic-Rubber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	5 seconds; ASTM D2240
Tensile Strength at Break	6.89 MPa	1000 psi	Across flow; ASTM D412
Tensile Strength, Yield	2.07 MPa @Strain 100 %	300 psi @Strain 100 %	across flow; ASTM D412
Elongation at Break	500 %	500 %	Across flow; ASTM D412
Compression Set	22 %	22 %	73°F, 170 hr, Method B; ASTM D395
Tensile Set	11 %	11 %	ASTM D412

Processing Properties	Metric	English	Comments
Melt Temperature	215 - 250 °C	419 - 482 °F	
Drying Temperature	70.0 °C	158 °F	Desiccant Dryer
Dry Time	3 hour	3 hour	Desiccant Dryer

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