

ExxonMobil Santoprene® 691-65W175 Thermoplastic Vulcanizate

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

Material Notes:

Product Description: A soft, colorable thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for thin wall, architectural glazing and sealing applications. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion or thermoforming. It is polyolefin based and completely recyclable. **Key Features:** Recommended for glazing and sealing applications. Designed for extruding thin sections with excellent definition (down to 0.33 mm [0.023"] radius) Long runs with minimal build-up of material on screen packs or narrow die sections. Recommended for applications requiring excellent ozone resistance. Recommended for applications requiring excellent flex fatigue resistance. EU and China RoHS compliant. **Processing Method:** Coextrusion, Profile Extrusion, Thermoforming, Extrusion and Sheet Extrusion **Availability:** Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America **Processing Method:** Coextrusion, Profile Extrusion, Thermoforming, Extrusion and Sheet Extrusion **Availability:** Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America **Information provided by ExxonMobil Chemical.**

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http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-691-65W175-Thermoplastic-Vulcanizate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ASTM D792 and ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	2 mm; ISO 868
Tensile Strength at Break	6.20 MPa	899 psi	Across Flow; ASTM D412 and ISO 37
Tensile Stress	2.70 MPa @Strain 100 %	392 psi @Strain 100 %	Across Flow; ASTM D412 and ISO 37
Elongation at Break	450 %	450 %	Across Flow; ASTM D412 and ISO 37

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