

ExxonMobil Santoprene® 201-55W255 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 use in residential dishwasher applications and contains a stabilization system for protection against copper and other metal-catalyzed degradation. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It is polyolefin based and completely recyclable.
Key Features: EU and China RoHS compliant.
Applications: Appliance- Seals and Gaskets
Uses: Appliance Components Gaskets Seals
Processing Method: Coextrusion, Injection Molding, Profile Extrusion, Extrusion, Multi Injection Molding and Sheet Extrusion
Availability: Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America
 Information provided by ExxonMobil Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-201-55W255-Thermoplastic-Vulcanizate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792 and ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	2 mm; ISO 868
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	5.10 MPa	740 psi	Across Flow; ASTM D412 and ISO 37
Tensile Stress	1.90 MPa	276 psi	Across Flow; ASTM D412 and ISO 37
	@Strain 100 %	@Strain 100 %	
Elongation at Break	450 %	450 %	Across Flow; ASTM D412 and ISO 37
Compression Set	16 %	16 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	35 %	35 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	
	42 %	42 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 100 °C, Time 79200 sec	@Temperature 212 °F, Time 22.0 hour	
	47 %	47 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 100 °C, Time 1.08e+6 sec	@Temperature 212 °F, Time 300 hour	

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