

Santoprene™ 251-85W232

Thermoplastic Vulcanizate

ExxonMobil Chemical

Message:

It is a hard, colorable, flame-retardant thermoplastic vulcanized elastomer (TPV) in the thermoplastic elastomer (TPE) series. This material has good fluid resistance, contains non-ether brominated flame retardants, and does not contain metal deactivator. This brand of Shanduping TPV is a shear rate dependent product that can be processed on conventional thermoplastic injection molding, extrusion molding, blow molding, thermoforming or vacuum forming equipment. This is a polyolefin-based material that can be recycled in the production process.

General Information	
UL YellowCard	E80017-250537
Features	Good dimensional stability
	Low compressive deformability
	Flexibility at low temperatures
	Recyclable materials
	Good electrical performance
	Good heat aging resistance
	Good coloring
	Ozone resistance
	Good chemical resistance
	Fatigue resistance
	Flame retardancy
Uses	Cable sheath
	Wire and cable applications
	Application in Automobile Field
	cord sheath
Agency Ratings	UL QMFZ2
	UL QMFZ8
	UL QMTT2
RoHS Compliance	RoHS compliance
UL File Number	E86313
	E80017
Appearance	Natural color
Forms	Particle
Processing Method	Blow molding
	Multiple injection molding
	Co-extrusion molding

Extrusion

Extrusion blow molding

Sheet extrusion molding

Thermoforming

Profile extrusion molding

Vacuum forming

Injection blowing molding

Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)	89		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain, 23°C)	4.50	MPa	ASTM D412, ISO 37
Tensile Strength - Across Flow (Break, 23°C)	10.6	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	540	%	ASTM D412, ISO 37
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	V-2		UL 94
Additional Information			

如果适用,这是基于扇形浇口注塑成型的平板测试结果.拉伸强度,伸长率和拉伸应力沿垂直流动方向测定 - ISO 1 型,ASTM die C.从埃克森美孚欧洲分支机构直接购买的所有产品都符合 REACH 法规. 对于埃克森 美孚未进口至欧洲的产品,用户应自行评估其是否满足 REACH 法规.

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Injection instructions

Santoprene TPV与乙缩醛和PVC不相容.更多关于加工和模具设计的信息,请查阅我们的《注射成型指南》.

Extrusion instructions

Santoprene TPV与乙缩醛和PVC不相容.更多关于加工和模具设计的信息,请查阅我们的《挤出成型指南》.

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