

Santoprene™ 9101-80E

Thermoplastic Vulcanizate

ExxonMobil Chemical

Message:

In the thermoplastic elastomer classification system, it belongs to a black thermoplastic vulcanized elastomer. This material is suitable for co-extrusion, especially for static root parts of automobile sealing systems like glass guide grooves. This brand of Shanduping TPV is sensitive to shear force and can be processed on traditional thermoplastic extrusion or hot pressing equipment. This is a polyolefin-based material that can be recycled in the production process.

General Information	
Features	Recyclable materials
Appearance	Black
Forms	Particle
Processing Method	Co-extrusion molding Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.968	g/cm ³	ASTM D792
--	0.970	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain, 23°C)	3.40	MPa	ASTM D412, ISO 37
Tensile Strength - Across Flow (Break, 23°C)	7.00	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	670	%	ASTM D412, ISO 37
Compression Set			
70°C, 22 hr ¹	48	%	ASTM D395B
70°C, 22 hr ²	48	%	ISO 815

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.25% 形变时的永久压缩变形.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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Extrusion	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	3.0	hr
Melt Temperature	177 - 204	°C

Die Temperature	204	°C
Back Pressure	5.00 - 20.0	MPa
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》.		
NOTE		
1.	Type 1	
2.	Type a	

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