

Santoprene™ 121-80W175

Thermoplastic Vulcanizate

ExxonMobil Chemical

Message:

It is a soft, black, UV-resistant thermoplastic vulcanized elastomer (TPV) in the thermoplastic elastomer (TPE) series. This material has good physical properties and chemical resistance at the same time, and is suitable for the field of extrusion molding of thin-walled or complex profiles. This brand of Shanduping TPV is a shear rate dependent product that can be processed on conventional thermoplastic extrusion, thermoforming or vacuum forming equipment. This is a polyolefin-based material that can be recycled in the production process.

General Information	
Features	Lower die-out expansion Good UV resistance Recyclable materials Controllable die-out expansion Good melt strength Ozone resistance Good chemical resistance
Uses	Application in Automobile Field Car exterior decoration Outdoor application
RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Particle
Processing Method	Co-extrusion molding Extrusion Sheet extrusion molding Thermoforming Profile extrusion molding Vacuum forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.958	g/cm ³	ASTM D792
--	0.960	g/cm ³	ISO 1183
Hardness			
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)			
	86		ISO 868
Elastomers			
Tensile Stress - Across Flow (100% Strain, 23°C)			
	4.60	MPa	ASTM D412, ISO 37

Tensile Strength - Across Flow (Break, 23°C)	9.60	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	460	%	ASTM D412, ISO 37

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.

Legal statement

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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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