

Santoprene™ 123-50W175

Thermoplastic Vulcanizate

ExxonMobil Chemical

Message:

It is a hard, 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 thin walls. 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			
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	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			
--	0.948	g/cm ³	ASTM D792
--	0.950	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw D, 15 seconds, 23°C, 2.00mm)	51		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength - Across Flow (Yield, 23°C)	11.3	MPa	ASTM D638, ISO 527-2
Tensile Elongation - Across Flow (Yield, 23°C)	32	%	ASTM D638, ISO 527-2
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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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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