Santoprene™ 121-55W241

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 used in fields that are difficult to injection molding. This brand of Shanduping TPV is a shear rate dependent product that can be processed on conventional thermoplastic injection molding equipment. This is a polyolefin-based material that can be recycled in the production process.

General Information	
Features	Good UV resistance Recyclable materials Good tear strength Ozone resistance Good weather resistance
Uses	Application in Automobile Field Car exterior decoration Outdoor application
RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Particle
Processing Method	Multiple injection molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.918	g/cm³	ASTM D792
--	0.920	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)	59		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow (100% Strain, 23°C)	2.00	MPa	ASTM D412, ISO 37
Tensile Strength - Across Flow (Break, 23°C)	4.80	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	480	%	ASTM D412, ISO 37
Compression Set			
23°C, 70 hr [1]	29	%	ASTM D395B

125°C, 70 hr [2]	56	%	ASTM D395B
23°C, 70 hr [3]	29	%	ISO 815
125°C, 70 hr [4]	56	%	ISO 815

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-63.0	°C	ASTM D746, ISO 812

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.

Legal statement

未经埃克森美孚化工书面允许,这种产品包括其产品名称,不得在任何医疗应用领域予以使用或有关详细的产品监管信息,请联系客户服务.

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》.

NOTE

1.	Type 1
2.	Type 1
3.	Type a
4.	Type a

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China