

Santoprene™ 8221-85M300

Thermoplastic Vulcanizate

ExxonMobil Chemical

Message:

It is a kind of thermoplastic vulcanized elastomer (TPV) that is hard, colorable and resistant to ultraviolet radiation in the series of thermoplastic elastomers (TPE). This material is suitable for automotive interior applications that require low atomization and good appearance. 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 formability Good coloring High liquidity Ozone resistance Good appearance
Uses	Application in Automobile Field Car interior parts Outdoor application
RoHS Compliance	RoHS compliance
Appearance	Natural color
Forms	Particle
Processing Method	Multiple injection molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.918	g/cm ³	ASTM D792
--	0.920	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)	84		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain, 23°C)	4.10	MPa	ASTM D412, ISO 37
Tensile Strength - Across Flow (Break, 23°C)	9.00	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	500	%	ASTM D412, ISO 37

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-59.0	°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.不建议用于热油.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

有关详细的产品监管信息,请联系客户服务.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

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	3.0	hr

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》.

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