

# Santoprene™ 121-70B230


Thermoplastic Vulcanizate

ExxonMobil Chemical

## Message:

It is a soft, black thermoplastic vulcanized elastomer (TPV) in the thermoplastic elastomer (TPE) series. This material is specially formulated for bonding with sulfur or peroxide cured thermosetting EPDM rubber, for corner injection molding, end caps and special fixing applications, and for increasing the coefficient of friction (COF). This brand of Shanduping TP V is a shear rate dependent product that can be processed on conventional thermoplastic injection molding equipment. It is a polyolefin-based product and can be completely recycled.

General Information			
Features	Low friction coefficient		
	Good UV resistance		
	Recyclable materials		
	Adhesiveness		
	Ozone 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/cm <sup>3</sup>	ASTM D792
--	0.920	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm)	74		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain, 23°C)	2.60	MPa	ASTM D412, ISO 37
Tensile Strength - Across Flow (Break, 23°C)	6.50	MPa	ASTM D412, ISO 37
Tensile Elongation - Across Flow (Break, 23°C)	470	%	ASTM D412, ISO 37
Compression Set			
70°C, 22 hr <sup>1</sup>	44	%	ASTM D395B

70°C, 22 hr <sup>2</sup>	44	%	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.本产品可能由第三方根据与埃克森美孚公司或其某一关联公司的合同,按照符合 I SO 9001:2008 要求的质量管理体系生产.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》和《EPDM门窗密封条转角和端盖的注射成型》技术文献.			
NOTE			
1.	Type 1		
2.	Type a		
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