

Sarlink® TPV X6145N

Teknor Apex Company - Thermoplastic Vulcanizate

Thursday, June 29, 2017

General Information

Product Description

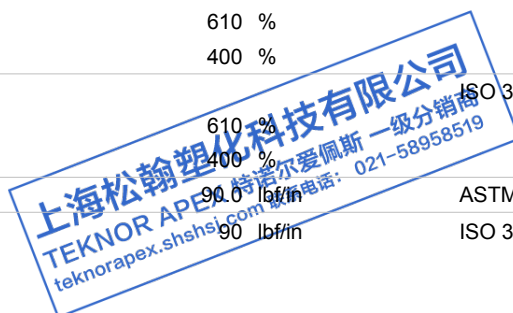
Sarlink® TPV X6100 series are engineered materials designed for consumer, automotive, and industrial applications requiring superior colorability and elastic performance. Sarlink® TPV X6145N is a medium hardness, low density, multi-purpose thermoplastic vulcanizate that does not require pre-drying and can be processed by injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Colorability • Good Flexibility	• Good Flow • Good Processability • Low Density • Low Specific Gravity	• Medium Hardness • Resilient
Uses	• Automotive Applications • Consumer Applications	• Industrial Applications • Rubber Replacement	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890		ASTM D792
Density	0.890	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Across Flow : 100% Strain	160	psi	
Flow : 100% Strain	232	psi	
Tensile Stress			ISO 37
Across Flow : 100% Strain	160	psi	
Flow : 100% Strain	232	psi	
Tensile Strength			ASTM D412
Across Flow : Break	537	psi	
Flow : Break	450	psi	
Tensile Stress			ISO 37
Across Flow : Break	537	psi	
Flow : Break	450	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	610	%	
Flow : Break	400	%	
Tensile Elongation			ISO 37
Across Flow : Break	610	%	
Flow : Break	400	%	
Tear Strength - Across Flow	90.0	lb/in	ASTM D624
Tear Strength ²	90	lb/in	ISO 34-1



Revision Date: 6/1/2016

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

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Elastomers	Nominal Value	Unit	Test Method
Compression Set			ASTM D395
73°F, 22 hr	24	%	
158°F, 22 hr	33	%	
257°F, 70 hr	49	%	
Compression Set			ISO 815
73°F, 22 hr	24	%	
158°F, 22 hr	33	%	
257°F, 70 hr	49	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 5 sec, Extruded	42		
Shore A, 5 sec, Injection Molded	46		
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	42		
Shore A, 5 sec, Injection Molded	46		
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary @ 206/s			
392°F	225	Pa·s	ISO 11443
392°F	225	Pa·s	ASTM D3835

Legal Statement

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Notes

¹ Typical properties: these are not to be construed as specifications.

² Method Ba, Angle (Unnicked)

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