

# Sarlink® TPV X6185N

Teknor Apex Company - Thermoplastic Vulcanizate

Monday, October 9, 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 X6185N is a higher 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 Flow • Good Processability • High Hardness	• Low Density • Low Specific Gravity • Resilient
Uses	• Automotive Applications • Automotive Interior Parts	• Consumer Applications • Industrial Applications	• Rubber Replacement • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.943	g/cm <sup>3</sup>	ASTM D792
Density	0.943	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	4.50	MPa	ASTM D412
Tensile Stress - Across Flow (100% Strain)	4.50	MPa	ISO 37
Tensile Strength - Across Flow (Break)	8.60	MPa	ASTM D412
Tensile Stress - Across Flow (Break)	8.60	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	650	%	ASTM D412
Tensile Elongation - Across Flow (Break)	650	%	ISO 37
Compression Set (70°C, 22 hr)	60	%	ASTM D395
Compression Set (70°C, 22 hr)	60	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec, Injection Molded)	86		ASTM D2240
Shore Hardness (Shore A, 5 sec, Injection Molded)	86		ISO 868
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary @ 206/s			
200°C	227	Pa·s	ISO 11443
200°C	227	Pa·s	ASTM D3835

### Legal Statement

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 purchaser assumes 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 others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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## Teknor Apex Company - Thermoplastic Vulcanizate

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