

Sarlink® TPV 6175N

Teknor Apex Company - Thermoplastic Vulcanizate

Saturday, September 14, 2024

General Information

Product Description

Sarlink® TPV 6100 series are engineered materials designed for consumer, automotive, and industrial applications requiring superior colorability and elastic performance. Sarlink® TPV 6175N 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
Density / Specific Gravity	0.924	g/cm ³	ASTM D792
Density	0.926	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Across Flow : 100% Strain	3.20	MPa	
Flow : 100% Strain	4.30	MPa	
Tensile Stress			ISO 37
Across Flow : 100% Strain	3.20	MPa	
Flow : 100% Strain	4.30	MPa	
Tensile Strength			ASTM D412
Across Flow : Break	6.30	MPa	
Flow : Break	5.40	MPa	
Tensile Stress			ISO 37
Across Flow : Break	6.30	MPa	
Flow : Break	5.40	MPa	
Tensile Elongation			ASTM D412
Across Flow : Break	640	%	
Flow : Break	340	%	
Tensile Elongation			ISO 37
Across Flow : Break	640	%	
Flow : Break	340	%	
Tear Strength - Across Flow	33.3	kN/m	ASTM D624
Tear Strength ²	33.2	kN/m	ISO 34-1

Revision Date: 1/11/2019

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.

Sarlink® TPV 6175N

Teknor Apex Company - Thermoplastic Vulcanizate

Elastomers	Nominal Value	Unit	Test Method
Compression Set			ASTM D395
23°C, 22 hr	33	%	
70°C, 22 hr	48	%	
125°C, 70 hr	70	%	
Compression Set			ISO 815
23°C, 22 hr	33	%	
70°C, 22 hr	48	%	
125°C, 70 hr	70	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 5 sec, Extruded	72		
Shore A, 5 sec, Injection Molded	76		
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	72		
Shore A, 5 sec, Injection Molded	76		
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary @ 206/s			
200°C	196	Pa·s	ASTM D3835
200°C	196	Pa·s	ISO 11443

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

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

² Method Ba, Angle (Unnicked)

Teknor Apex Company Corporate Headquarters	Teknor Apex B.V.	Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Pte. Ltd.	Teknor Apex Asia Pacific PTE. LTD.
<i>In U.S. for Vinyls, TPEs, Colorants,</i>	Brightlands Chemelot Campus Umonderbaan 22	No. 78 Ping Sheng Road	41 Shipyard Road
<i>Engineered Thermoplastics (Chem Polymer)</i>	6167 RD Geleen, Netherlands	Suzhou Industrial Park	Singapore 628134
505 Central Avenue	Phone: +31 46 7020 950	Jiangsu, China 215126	Phone: (65) 6265-2544
Pawtucket, Rhode Island 02861 U.S.	Fax: +31 46 7020 990	Phone: (86) 512-6287-1550	Fax: (65) 6265-1821
Phone: 401-725-8000	www.teknorapex.com	Fax: (86) 512-6288-8371	www.teknorapex.com
Fax: 401-725-8095	tpe@teknorapex.com	www.teknorapex.com	infotaap@teknorapex.com
Toll Free (U.S. only) 800-556-3864		infotaap@teknorapex.com	
www.teknorapex.com			
info@teknorapex.com			

Revision Date: 1/11/2019

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.