

Sarlink® TPV X6145N

Thermoplastic Vulcanizate

Teknor Apex Company

PROSPECTOR®

www.ulprospector.com

Technical Data

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
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• Teknor Apex Company • Sarlink® TPV
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

Physical	Nominal Value Unit	Test Method
Specific Gravity		
--	0.888 g/cm ³	ASTM D792
--	0.890 g/cm ³	ISO 1183

Elastomers	Nominal Value Unit	Test Method
Tensile Stress		ASTM D412 ISO 37
Across Flow : 100% Strain	1.10 MPa	
Flow : 100% Strain	1.60 MPa	
Tensile Strength		ASTM D412 ISO 37
Across Flow : Break	3.70 MPa	
Flow : Break	3.10 MPa	
Tensile Elongation		ASTM D412 ISO 37
Across Flow : Break	610 %	
Flow : Break	400 %	
Tear Strength		ASTM D624 ISO 34-1
Across Flow	15.8 kN/m	
-- ³	16 kN/m	
Compression Set		ASTM D395 ISO 815
23°C, 22 hr	24 %	
70°C, 22 hr	33 %	
125°C, 70 hr	49 %	

Hardness	Nominal Value Unit	Test Method
Durometer Hardness		ASTM D2240 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		
200°C	225 Pa·s	ASTM D3835
200°C	225 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 These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Method Ba, Angle (Unnicked)



Where to Buy

Supplier

Teknor Apex Company

Pawtucket, RI USA

Telephone: 800-556-3864

Web: <http://www.teknorapex.com/>

Distributor

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here:

<http://www.chaseplastics.com/contact/locations>

Telephone: 800-232-4273

Web: <http://www.chaseplastics.com/>

Availability: North America

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.

Telephone: 08452003040

Web: <http://www.distrupol.com/>

Availability: Belgium, Denmark, Finland, Ireland, Luxembourg, Netherlands, Norway, Sweden, United Kingdom

Erteco Rubber & Plastics AB

Telephone: +46 8-587 517 00

Web: <http://www.erteco.se/>

Availability: Denmark, Finland, Norway, Sweden

Nexeo Solutions - Europe

Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

Telephone: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

Availability: Russian Federation

