

Sarlink® TPV X11059DB

Teknor Apex Company - Thermoplastic Vulcanizate

Thursday, June 29, 2017

General Information

Product Description

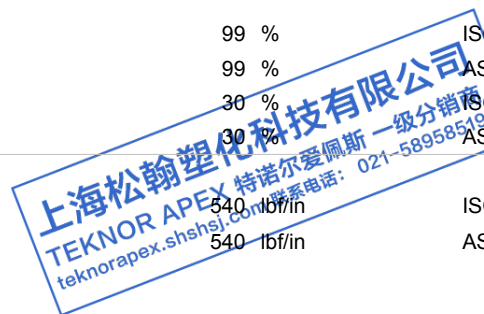
SARLINK® TPV 11000 series are engineered low friction slip coating materials designed primarily for demanding automotive and industrial applications. SARLINK® TPV X11059DB is a high hardness, low density, high tensile grade with good UV resistance and superior abrasion resistance and can be co-extruded with TPE-S, TPE-V, and EPDM.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Abrasion Resistant • Bondability • Chemical Resistant • Good Adhesion • Good Processability	• High Hardness • High Heat Resistance • High Tensile Strength • Low Compression Set • Low Density	• Low Friction • Low Specific Gravity • Specialty Grade • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Window Encapsulation	• Coating Applications • Industrial Applications • Rubber Replacement	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• DAIMLER DBL 5578 Color: Black	• VAG VW501 23 Color: Black	
Appearance	• Black	• Opaque	
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density			
--	0.960	g/cm ³	ISO 1183
--	0.960	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Glass - Dynamic)	0.15		ASTM D1894
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			
Across Flow : Break	3480	psi	ISO 37
Across Flow : Break ²	3480	psi	ASTM D412
Flow : Break	4060	psi	ISO 37
Flow : Break ²	4060	psi	ASTM D412
Tensile Elongation			
Across Flow : Break	99	%	ISO 37
Across Flow : Break	99	%	ASTM D412
Flow : Break	30	%	ISO 37
Flow : Break	30	%	ASTM D412
Tear Strength - Across Flow			
--	540	lbf/in	ISO 34-1
-- ³	540	lbf/in	ASTM D624



Revision Date: 10/13/2016

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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Hardness	Nominal Value	Unit	Test Method
Shore Hardness			
Shore D, 5 sec, Injection Molded	60		ISO 868
Shore D, 5 sec, Injection Molded	60		ASTM D2240
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity			
392°F, 206 sec ⁻¹	552	Pa·s	ISO 11443
392°F, 206 sec ⁻¹	552	Pa·s	ASTM D3835
Additional Information			
Co-extrusion with good adhesion to TPE-S			
Co-extrusion with good adhesion to TPV			
Co-extrusion with good adhesion to EPDM			

Legal Statement

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Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	3.0 to 4.0	hr
Cylinder Zone 1 Temp.	350 to 410	°F
Cylinder Zone 2 Temp.	360 to 420	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	380 to 440	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Extrusion Notes

Sarlink TPV X11059DB must be dried prior to processing

Notes

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

² Die C

³ Method Ba, Angle (Unnicked)

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