+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPV X11059DB

Teknor Apex Company - Thermoplastic Vulcanizate

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/cm³	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 [2]			ASTM D412
Across Flow : Break	3480	psi	
Flow : Break	4060	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	99	%	
Flow : Break	30	%	
Tear Strength - Across Flow [3]	540	lbf/in	ASTM D624
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (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	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

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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)