



Sarlink® TPV 11059DB

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

SARLINK® TPV 11000 series slip-coat grades, including SARLINK® TPV 11059DB, have been developed specifically for co-extrusion with excellent adhesion onto TPE materials (TPS or TPV). Together these materials create an effective system for automotive sealing applications such as glass run channels, waist belts, auxiliary seals, and other profiles or articles. SARLINK® TPV 11000 series can also be applied onto EPDM profiles; it is recommended to contact a Teknor Apex representative for additional support.

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	• MERCEDES BENZ DBL 5578 Color: Black	• VOLKSWAGEN TL 52641 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	ASTM D792
--	0.960	g/cm ³	ISO 1183
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	3340	psi	ASTM D412
Break	3340	psi	ISO 37
Tensile Elongation - Across Flow			
Break	58	%	ASTM D412
Break	58	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			
Shore D, 5 sec, Injection Molded	58		ASTM D2240
Shore D, 5 sec, Injection Molded	58		ISO 868
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity			
392°F, 206 sec ⁻¹	520	Pa·s	ASTM D3835
392°F, 206 sec ⁻¹	520	Pa·s	ISO 11443

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Additional Information

Co-extrusion with good adhesion to TPE-S.
Co-extrusion with good adhesion to TPV.
Co-extrusion with good adhesion to several EPDM grades.

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 11059DB must be dried prior to processing

Notes

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