



Sarlink® TPV X10060B

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

The Sarlink 10000 Series are TPE-V's engineered to have a low coefficient of friction against glass or painted steel specifically for automotive sealing system applications. These grades are suitable for 2K molding and exhibit excellent adhesion to polypropylene, superior UV resistance and long term performance.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Good Adhesion • Good Melt Strength	• Heat Aging Resistant • Low to No Fogging	• UV Resistant • Weather Resistant
Uses	• Automotive Applications	• Automotive Exterior Parts	• Overmolding
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• FORD WSD-M2D49-A2 Color: Black		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.50 to 0.60		ASTM D1894
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	290	psi	
Flow : 100% Strain	348	psi	
Tensile Stress			ISO 37
Across Flow : Break	638	psi	
Flow : Break	638	psi	
Tensile Elongation			ISO 37
Across Flow : Break	370	%	
Flow : Break	300	%	
Tear Strength - Across Flow ²	91	lbf/in	ISO 34-1
Compression Set			ISO 815
73°F, 22 hr	18	%	
158°F, 22 hr	27	%	
257°F, 70 hr	45	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	58		
Shore A, 5 sec, Injection Molded	61		

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
275°F, 1008 hr	-24	%	
100% Strain 275°F, 1008 hr	-4.0	%	
302°F, 168 hr	-23	%	
100% Strain 302°F, 168 hr	-3.0	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
275°F, 1008 hr	-22	%	
302°F, 168 hr	-21	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 275°F, 1008 hr	1.0		
Shore A, 302°F, 168 hr	0.0		
Change in Volume (257°F, 70 hr, in IRM 903 Oil)	72	%	ISO 1817
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	180	Pa·s	ASTM D3835

Processing Information			
Injection	Nominal Value	Unit	
Rear Temperature	356 to 401	°F	
Middle Temperature	356 to 401	°F	
Front Temperature	356 to 401	°F	
Nozzle Temperature	365 to 410	°F	
Processing (Melt) Temp	365 to 410	°F	
Mold Temperature	50 to 131	°F	
Back Pressure	14.5 to 145	psi	
Screw Speed	100 to 200	rpm	

Notes

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

² Method Ba, Angle (Unnicked)