

Sarlink® TPV X10060B

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

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 Information			
Features	Good Adhesion		
	Good Heat Aging Resistance		
	Good Melt Strength		
	Good UV Resistance		
	Good Weather Resistance		
	Low to No Fogging		
Uses	Automotive Applications		
	Automotive Exterior Parts		
	Overmolding		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	58		
Shore A, 5 sec, Injection Molded	61		
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	2.00	MPa	
Flow : 100% Strain	2.40	MPa	
Tensile Strength			ISO 37
Across Flow : Break	4.40	MPa	
Flow : Break	4.40	MPa	
Tensile Elongation			ISO 37
Across Flow : Break	370	%	
Flow : Break	300	%	

Tear Strength ¹	16	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 22 hr	18	%	
70°C, 22 hr	27	%	
125°C, 70 hr	45	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
135°C, 1000 hr	-24	%	
100% Strain 135°C, 1000 hr	-4.0	%	
150°C, 168 hr	-23	%	
100% Strain 150°C, 168 hr	-3.0	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
135°C, 1000 hr	-22	%	
150°C, 168 hr	-21	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 150°C, 168 hr	1.0		
Shore A, 150°C, 1000 hr	0.0		
Change in Volume (125°C, 70 hr, in IRM 903 Oil)	72	%	ISO 1817
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	180	Pa · s	ISO 11443
Injection	Nominal Value	Unit	
Rear Temperature	180 to 205	°C	
Middle Temperature	180 to 205	°C	
Front Temperature	180 to 205	°C	
Nozzle Temperature	185 to 210	°C	
Processing (Melt) Temp	185 to 210	°C	
Mold Temperature	10.0 to 55.0	°C	
Back Pressure	0.100 to 1.00	MPa	
Screw Speed	100 to 200	rpm	
NOTE			
1.	Method Ba, Angle (Unnicked)		

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