

Sarlink® TPV X4765B42

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

SARLINK® 4000 series are engineered materials designed primarily for demanding automotive applications. SARLINK® X4765B-42 exhibits excellent compression set and weatherability. The material is developed especially for injection moulded applications featuring high flow and UV-stability. Applications include window encapsulation, spoiler extensions and other intricate and high flow demanding applications.

General Information			
Features	Good UV Resistance		
	Good Weather Resistance		
	High Flow		
	High Melt Stability		
Uses	Automotive Applications		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.908	g/cm ³	ASTM D792
--	0.910	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ASTM D2240, ISO 868
Shore A, 5 sec, Extruded	62		
Shore A, 5 sec, Injection Molded	65		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412, ISO 37
Across Flow : 100% Strain	2.30	MPa	
Flow : 100% Strain	2.90	MPa	
Tensile Stress			ASTM D412, ISO 37
Across Flow : Break	5.10	MPa	
Flow : Break	4.90	MPa	
Tensile Elongation			ASTM D412, ISO 37
Across Flow : Break	400	%	
Flow : Break	340	%	
Tear Strength - Across Flow			
--	25	kN/m	ASTM D624
-- ¹	25	kN/m	ISO 34-1
Compression Set			ASTM D395, ISO 815
23°C, 22 hr	23	%	

70°C, 22 hr	32	%	
125°C, 70 hr	48	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ASTM D573, ISO 188
135°C, 1000 hr	-18	%	
100% Strain 135°C, 1000 hr	1.0	%	
150°C, 168 hr	-20	%	
100% Strain 150°C, 168 hr	0.0	%	
Change in Tensile Strain at Break in Air - Across Flow			ASTM D573, ISO 188
135°C, 1000 hr	-22	%	
150°C, 168 hr	-24	%	
Change in Shore Hardness in Air			ASTM D573, ISO 188
Shore A, 135°C, 1000 hr	1.0		
Shore A, 150°C, 168 hr	1.0		
Change in Volume (135°C, 70 hr, in IRM 903 Oil)	84	%	ISO 1817, ASTM D471
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary, @ 206/s			
200°C	210	Pa·s	ASTM D3835
200°C	210	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)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

