

Product Data Sheet

Sarlink® 4765B42

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	910	kg/m ³	910	kg/m ³
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		62A		62A	
Injection molded sample		65A		65A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		4.9	MPa	711	Psi
Modulus at 100% elongation		2.9	MPa	421	Psi
Elongation at break		340	%	340	%
<u>Cross direction</u>					
Tensile strength at break		5.1	MPa	740	Psi
Modulus at 100% elongation		2.3	MPa	334	Psi
Elongation at break		400	%	400	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		25	kN/m	143	Pli
Compression set	ISO 815				
22h/23°C		23	%	23	%
22h/70°C		32	%	32	%
70h/125°C		48	%	48	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		80	%	80	%
Retention modulus at 100% elongation		100	%	100	%
Retention elongation at break		76	%	76	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		82	%	82	%
Retention modulus at 100% elongation		101	%	101	%
Retention elongation at break		78	%	78	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		84	%	84	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	210	Pa.s	210	Pa.s

* Tests are conducted on injection-molded plaques unless indicated otherwise.

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