

Product Data Sheet

Sarlink® **4750B42**

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	50A		50A	
Extruded sample		53A		53A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		3.9	MPa	566	Psi
Modulus at 100% elongation		2.2	MPa	319	Psi
Elongation at break		320	%	320	%
<u>Cross direction</u>					
Tensile strength at break		4.2	MPa	609	Psi
Modulus at 100% elongation		1.5	MPa	218	Psi
Elongation at break		440	%	440	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		16	kN/m	91	Pli
Compression set	ISO 815				
22h/23°C		15	%	15	%
22h/70°C		26	%	26	%
70h/125°C		40	%	40	%
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		93	%	93	%
Retention elongation at break		87	%	87	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		89	%	89	%
Retention modulus at 100% elongation		99	%	99	%
Retention elongation at break		99	%	99	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		85	%	85	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	220	Pa.s	220	Pa.s

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

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