

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				
Extruded sample		50A		50A	
Injection molded sample		53A		53A	
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.

The information and suggestions contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's suggestions. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

© SARLINK® is a registered trademark of Teknor Apex Company
v. 04.2011