

Product Data Sheet

Sarlink® 5780B

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	970	kg/m ³	970	kg/m ³
Hardness Shore (5 sec delay)	ISO 868	80A		80A	
Extruded sample		82A		82A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		9.0	MPa	1305	Psi
Modulus at 100% elongation		6.8	MPa	986	Psi
Elongation at break		360	%	360	%
<u>Cross direction</u>					
Tensile strength at break		10.0	MPa	1450	Psi
Modulus at 100% elongation		4.5	MPa	653	Psi
Elongation at break		590	%	590	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		47	kN/m	268	Pli
Compression set	ISO 815				
22h/23°C		28	%	28	%
22h/70°C		41	%	41	%
70h/125°C		60	%	60	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		-1	points	-1	points
Retention tensile strength at break		88	%	88	%
Retention modulus at 100% elongation		107	%	107	%
Retention elongation at break		80	%	80	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		90	%	90	%
Retention modulus at 100% elongation		110	%	110	%
Retention elongation at break		81	%	81	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		73	%	73	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	330	Pa.s	330	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