

Product Data Sheet

Sarlink® 5780B4

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.

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