

Product Data Sheet

Sarlink® 5790B4

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	87A		87A	
Extruded sample		89A		89A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		13.4	MPa	1944	Psi
Modulus at 100% elongation		9.8	MPa	1421	Psi
Elongation at break		370	%	370	%
<u>Cross direction</u>					
Tensile strength at break		14.1	MPa	2045	Psi
Modulus at 100% elongation		6.5	MPa	943	Psi
Elongation at break		600	%	600	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		70	kN/m	400	Pli
Compression set	ISO 815				
22h/23°C		36	%	36	%
22h/70°C		49	%	49	%
70h/125°C		72	%	72	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		87	%	87	%
Retention modulus at 100% elongation		110	%	110	%
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		93	%	93	%
Retention modulus at 100% elongation		114	%	114	%
Retention elongation at break		80	%	80	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		60	%	60	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	350	Pa.s	350	Pa.s

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

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