

Product Data Sheet

Sarlink® **3170**

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	950	kg/m ³	950	kg/m ³
Hardness Shore (5 sec delay)	ISO 868	71A		71A	
Extruded sample		75A		75A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		6.7	MPa	972	Psi
Modulus at 100% elongation		5.1	MPa	740	Psi
Elongation at break		300	%	300	%
<u>Cross direction</u>					
Tensile strength at break		7.7	MPa	1117	Psi
Modulus at 100% elongation		3.3	MPa	479	Psi
Elongation at break		670	%	670	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		42	kN/m	240	Pli
Compression set	ISO 815				
22h/23°C		25	%	25	%
22h/70°C		43	%	43	%
70h/125°C		63	%	63	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		96	%	96	%
Retention modulus at 100% elongation		105	%	105	%
Retention elongation at break		86	%	86	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		-1	points	-1	points
Retention tensile strength at break		92	%	92	%
Retention modulus at 100% elongation		110	%	110	%
Retention elongation at break		87	%	87	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		115	%	115	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	290	Pa.s	290	Pa.s

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

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v. 08.2008