

Product Data Sheet

Sarlink® 4175

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	960	kg/m ³	960	kg/m ³
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		72A		72A	
Injection molded sample		75A		75A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		7.2	MPa	1044	Psi
Modulus at 100% elongation		5.3	MPa	769	Psi
Elongation at break		300	%	300	%
<u>Cross direction</u>					
Tensile strength at break		8.5	MPa	1233	Psi
Modulus at 100% elongation		3.3	MPa	479	Psi
Elongation at break		590	%	590	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		39	kN/m	223	Pli
Compression set	ISO 815				
22h/23°C		22	%	22	%
22h/70°C		31	%	31	%
70h/125°C		45	%	45	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		91	%	91	%
Retention modulus at 100% elongation		103	%	103	%
Retention elongation at break		84	%	84	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		98	%	98	%
Retention modulus at 100% elongation		105	%	105	%
Retention elongation at break		95	%	95	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		78	%	78	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	340	Pa.s	340	Pa.s

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

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