

Product Data Sheet

Sarlink® 4165

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		63A		63A	
Injection molded sample		65A		65A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		5.8	MPa	841	Psi
Modulus at 100% elongation		4.2	MPa	609	Psi
Elongation at break		280	%	280	%
<u>Cross direction</u>					
Tensile strength at break		6.8	MPa	986	Psi
Modulus at 100% elongation		2.5	MPa	363	Psi
Elongation at break		570	%	570	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		29	kN/m	166	Pli
Compression set	ISO 815				
22h/23°C		17	%	17	%
22h/70°C		27	%	27	%
70h/125°C		40	%	40	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		89	%	89	%
Retention modulus at 100% elongation		100	%	100	%
Retention elongation at break		89	%	89	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		91	%	91	%
Retention modulus at 100% elongation		104	%	104	%
Retention elongation at break		92	%	92	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		83	%	83	%
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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