

Product Data Sheet

Sarlink® **4145**

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
ODensity	ISO 1183	960	kg/m ³	960	kg/m ³
Hardness Shore (5 sec delay)	ISO 868	45A		45A	
Extruded sample		48A		48A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		3.1	MPa	450	Psi
Modulus at 100% elongation		2.6	MPa	377	Psi
Elongation at break		180	%	180	%
<u>Cross direction</u>					
Tensile strength at break		4.3	MPa	624	Psi
Modulus at 100% elongation		1.3	MPa	189	Psi
Elongation at break		550	%	550	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		20	kN/m	114	Pli
Compression set	ISO 815				
22h/23°C		11	%	11	%
22h/70°C		26	%	26	%
70h/125°C		35	%	35	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		0	points	0	points
Retention tensile strength at break		95	%	95	%
Retention modulus at 100% elongation		97	%	97	%
Retention elongation at break		106	%	106	%
<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		100	%	100	%
Retention elongation at break		113	%	113	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		112	%	112	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	320	Pa.s	320	Pa.s

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

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