

Product Data Sheet

Sarlink® 3145D

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	940	kg/m ³	940	kg/m ³
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		47D		47D	
Injection molded sample		50D		50D	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		19.4	MPa	2814	Psi
Modulus at 100% elongation		15.5	MPa	2248	Psi
Elongation at break		400	%	400	%
<u>Cross direction</u>					
Tensile strength at break		22.5	MPa	3263	Psi
Modulus at 100% elongation		12.8	MPa	1856	Psi
Elongation at break		700	%	700	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		131	kN/m	748	Pli
Compression set	ISO 815				
22h/23°C		57	%	57	%
22h/70°C		70	%	70	%
70h/125°C		90	%	90	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		95	%	95	%
Retention modulus at 100% elongation		108	%	108	%
Retention elongation at break		89	%	89	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		102	%	102	%
Retention modulus at 100% elongation		116	%	116	%
Retention elongation at break		89	%	89	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		52	%	52	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	310	Pa.s	310	Pa.s

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

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