

Product Data Sheet

Sarlink® 3139D

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		38D		38D	
Injection molded sample		41D		41D	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		17.4	MPa	2524	Psi
Modulus at 100% elongation		13.3	MPa	1929	Psi
Elongation at break		400	%	400	%
<u>Cross direction</u>					
Tensile strength at break		18.5	MPa	2683	Psi
Modulus at 100% elongation		8.9	MPa	1291	Psi
Elongation at break		700	%	700	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		101	kN/m	577	Pli
Compression set	ISO 815				
22h/23°C		53	%	53	%
22h/70°C		67	%	67	%
70h/125°C		85	%	85	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		93	%	93	%
Retention modulus at 100% elongation		111	%	111	%
Retention elongation at break		89	%	89	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		0	points	0	points
Retention tensile strength at break		95	%	95	%
Retention modulus at 100% elongation		109	%	109	%
Retention elongation at break		90	%	90	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		55	%	55	%
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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