

Product Data Sheet

Sarlink® 4139D

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	950	kg/m ³	950	kg/m ³
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		39D		39D	
Injection molded sample		40D		40D	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		18.0	MPa	2611	Psi
Modulus at 100% elongation		13.3	MPa	1929	Psi
Elongation at break		420	%	420	%
<u>Cross direction</u>					
Tensile strength at break		19.0	MPa	2756	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		97	kN/m	554	Pli
Compression set	ISO 815				
22h/23°C		46	%	46	%
22h/70°C		56	%	56	%
70h/125°C		80	%	80	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		85	%	85	%
Retention modulus at 100% elongation		115	%	115	%
Retention elongation at break		80	%	80	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		85	%	85	%
Retention modulus at 100% elongation		120	%	120	%
Retention elongation at break		80	%	80	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		47	%	47	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	370	Pa.s	370	Pa.s

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

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