

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	39D		39D	
Extruded sample		40D		40D	
Injection molded sample					
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.

All information supplied by or on behalf of DSM in relation to its products, whether in nature of data, recommendations or otherwise, is supported by research and believed reliable, but DSM assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or products, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to DSM for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.
© SARLINK® is a registered trademark of DSM, The Netherlands
v. 08.2008