

Product Data Sheet

Sarlink® **4175**

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	960	kg/m ³	960	kg/m ³
Hardness Shore (5 sec delay)	ISO 868	72A		72A	
Extruded sample		75A		75A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		7.2	MPa	1044	Psi
Modulus at 100% elongation		5.3	MPa	769	Psi
Elongation at break		300	%	300	%
<u>Cross direction</u>					
Tensile strength at break		8.5	MPa	1233	Psi
Modulus at 100% elongation		3.3	MPa	479	Psi
Elongation at break		590	%	590	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		39	kN/m	223	Pli
Compression set	ISO 815				
22h/23°C		22	%	22	%
22h/70°C		31	%	31	%
70h/125°C		45	%	45	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		91	%	91	%
Retention modulus at 100% elongation		103	%	103	%
Retention elongation at break		84	%	84	%
<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		105	%	105	%
Retention elongation at break		95	%	95	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		78	%	78	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	340	Pa.s	340	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