

Product Data Sheet

Sarlink® **3190**

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	89A		89A	
Extruded sample		92A		92A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		12.1	MPa	1755	Psi
Modulus at 100% elongation		10.0	MPa	1450	Psi
Elongation at break		380	%	380	%
<u>Cross direction</u>					
Tensile strength at break		13.5	MPa	1958	Psi
Modulus at 100% elongation		6.6	MPa	957	Psi
Elongation at break		700	%	700	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		81	kN/m	463	Pli
Compression set	ISO 815				
22h/23°C		48	%	48	%
22h/70°C		61	%	61	%
70h/125°C		75	%	75	%
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		111	%	111	%
Retention elongation at break		88	%	88	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		-1	points	-1	points
Retention tensile strength at break		90	%	90	%
Retention modulus at 100% elongation		109	%	109	%
Retention elongation at break		85	%	85	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		73	%	73	%
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.

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