

Product Data Sheet

Sarlink® 4190

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		86A		86A	
Injection molded sample		90A		90A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		13.6	MPa	1973	Psi
Modulus at 100% elongation		10.2	MPa	1479	Psi
Elongation at break		380	%	380	%
<u>Cross direction</u>					
Tensile strength at break		14.5	MPa	2103	Psi
Modulus at 100% elongation		6.7	MPa	972	Psi
Elongation at break		650	%	650	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		71	kN/m	405	Pli
Compression set	ISO 815				
22h/23°C		36	%	36	%
22h/70°C		48	%	48	%
70h/125°C		72	%	72	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		92	%	92	%
Retention modulus at 100% elongation		110	%	110	%
Retention elongation at break		83	%	83	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		89	%	89	%
Retention modulus at 100% elongation		115	%	115	%
Retention elongation at break		84	%	84	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		54	%	54	%
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.

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