

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) Extruded sample Injection molded sample	ISO 868	72A 75A		72A 75A	
Tensile Properties <u>Flow direction</u> Tensile strength at break Modulus at 100% elongation Elongation at break <u>Cross direction</u> Tensile strength at break Modulus at 100% elongation Elongation at break	ISO 37	7.2 5.3 300 8.5 3.3 590	MPa MPa % MPa MPa %	1044 769 300 1233 479 590	Psi Psi % Psi Psi %
Tear Strength <u>Cross direction</u> Unnicked angle	ISO 34B	39	kN/m	223	Pli
Compression set 22h/23°C 22h/70°C 70h/125°C	ISO 815	22 31 45	% % %	22 31 45	% % %
Hot air aging <u>168h/150°C, Cross Direction</u> Change in hardness Retention tensile strength at break Retention modulus at 100% elongation Retention elongation at break <u>1000h/135°C, Cross Direction</u> Change in hardness Retention tensile strength at break Retention modulus at 100% elongation Retention elongation at break	ISO 188	3 91 103 84 2 98 105 95	points % % % points % % %	3 91 103 84 2 98 105 95	points % % % points % % %
Volume swell 70h/125°C in IRM 903 oil	ISO 1817	78	%	78	%
Rheology <u>Apparent Shear Viscosity</u> @ 206 1/s, 200°C	ISO 11443 Capillary	340	Pa.s	340	Pa.s

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