

Product Data Sheet

Sarlink® 3180

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) Extruded sample Injection molded sample	ISO 868	80A 84A		80A 84A	
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	8.5 6.7 330 9.4 4.5 690	MPa MPa % MPa MPa %	1233 972 330 1363 653 690	Psi Psi % Psi Psi %
Tear Strength <u>Cross direction</u> Unnicked angle	ISO 34B	51	kN/m	291	Pli
Compression set 22h/23 C 22h/70 C 70h/125 C	ISO 815	32 50 65	% % %	32 50 65	% % %
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	2 92 109 84 0 91 117 85	points % % % points % % %	2 92 109 84 0 91 117 85	points % % % points % % %
Volume swell 70h/125°C in IRM 903 oil	ISO 1817	95	%	95	%
Rheology <u>Apparent Shear Viscosity</u> @ 206 1/s, 200 C	ISO 11443 Capillary	290	Pa.s	290	Pa.s

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