

Product Data Sheet

Sarlink® 4145

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
ODensity	ISO 1183	960	kg/m ³	960	kg/m ³
Hardness Shore (5 sec delay) Extruded sample Injection molded sample	ISO 868	45A		45A	
		48A		48A	
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	3.1	MPa	450	Psi
		2.6	MPa	377	Psi
		180	%	180	%
		4.3	MPa	624	Psi
		1.3	MPa	189	Psi
		550	%	550	%
Tear Strength <u>Cross direction</u> Unnicked angle	ISO 34B	20	kN/m	114	Pli
Compression set 22h/23°C 22h/70°C 70h/125°C	ISO 815	11	%	11	%
		26	%	26	%
		35	%	35	%
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	0	points	0	points
		95	%	95	%
		97	%	97	%
		106	%	106	%
		2	points	2	points
		98	%	98	%
		100	%	100	%
		113	%	113	%
Volume swell 70h/125°C in IRM 903 oil	ISO 1817	112	%	112	%
Rheology <u>Apparent Shear Viscosity</u> @ 206 1/s, 200°C	ISO 11443 Capillary	320	Pa.s	320	Pa.s

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

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