

Product Data Sheet

Sarlink® **3140**

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	930	kg/m ³	930	kg/m ³
Hardness Shore (5 sec delay)	ISO 868	41A		41A	
Extruded sample		46A		46A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		2.5	MPa	363	Psi
Modulus at 100% elongation		2.5	MPa	363	Psi
Elongation at break		210	%	210	%
<u>Cross direction</u>					
Tensile strength at break		4.4	MPa	638	Psi
Modulus at 100% elongation		1.2	MPa	174	Psi
Elongation at break		600	%	600	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		16	kN/m	91	Pli
Compression set	ISO 815				
22h/23°C		18	%	18	%
22h/70°C		31	%	31	%
70h/125°C		52	%	52	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		111	%	111	%
Retention modulus at 100% elongation		106	%	106	%
Retention elongation at break		107	%	107	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		-1	points	-1	points
Retention tensile strength at break		112	%	112	%
Retention modulus at 100% elongation		105	%	105	%
Retention elongation at break		112	%	112	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		135	%	135	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	270	Pa.s	270	Pa.s

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

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v. 08.2008