

Product Data Sheet

Sarlink® 5725B

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				
Extruded sample		23A		23A	
Injection molded sample		26A		26A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		1.5	MPa	218	Psi
Modulus at 100% elongation		1.1	MPa	160	Psi
Elongation at break		200	%	200	%
<u>Cross direction</u>					
Tensile strength at break		2.5	MPa	363	Psi
Modulus at 100% elongation		0.5	MPa	73	Psi
Elongation at break		510	%	510	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		9	kN/m	51	Pli
Compression set	ISO 815				
22h/23°C		10	%	10	%
22h/70°C		20	%	20	%
70h/125°C		51	%	51	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		-3	points	-3	points
Retention tensile strength at break		96	%	96	%
Retention modulus at 100% elongation		93	%	93	%
Retention elongation at break		82	%	82	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		-1	points	-1	points
Retention tensile strength at break		96	%	96	%
Retention modulus at 100% elongation		93	%	93	%
Retention elongation at break		76	%	76	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		71	%	71	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	140	Pa.s	140	Pa.s

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

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