

Product Data Sheet

Sarlink® 4755B42

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	910	kg/m ³	910	kg/m ³
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		54A		54A	
Injection molded sample		56A		56A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		4.3	MPa	624	Psi
Modulus at 100% elongation		2.7	MPa	392	Psi
Elongation at break		390	%	390	%
<u>Cross direction</u>					
Tensile strength at break		5.0	MPa	725	Psi
Modulus at 100% elongation		1.8	MPa	261	Psi
Elongation at break		500	%	500	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		19	kN/m	108	Pli
Compression set	ISO 815				
22h/23 C		19	%	19	%
22h/70 C		28	%	28	%
70h/125 C		43	%	43	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		-2	points	-2	points
Retention tensile strength at break		94	%	94	%
Retention modulus at 100% elongation		99	%	99	%
Retention elongation at break		98	%	98	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		98	%	98	%
Retention modulus at 100% elongation		107	%	107	%
Retention elongation at break		96	%	96	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		90	%	90	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200 C	Capillary	220	Pa.s	220	Pa.s

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

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