

Product Data Sheet

Sarlink® 4775B40

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		74A		74A	
Injection molded sample		76A		76A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		6.0	MPa	870	Psi
Modulus at 100% elongation		3.5	MPa	508	Psi
Elongation at break		410	%	410	%
<u>Cross direction</u>					
Tensile strength at break		6.6	MPa	957	Psi
Modulus at 100% elongation		3.1	MPa	450	Psi
Elongation at break		490	%	490	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		33	kN/m	188	Pli
Compression set	ISO 815				
22h/23°C		24	%	24	%
22h/70°C		36	%	36	%
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		78	%	78	%
Retention modulus at 100% elongation		102	%	102	%
Retention elongation at break		71	%	71	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		88	%	88	%
Retention modulus at 100% elongation		105	%	105	%
Retention elongation at break		84	%	84	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		74	%	74	%
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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