

Product Data Sheet

Sarlink® 4765B40

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		62A		62A	
Injection molded sample		65A		65A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		5.0	MPa	725	Psi
Modulus at 100% elongation		3.0	MPa	435	Psi
Elongation at break		360	%	360	%
<u>Cross direction</u>					
Tensile strength at break		5.6	MPa	812	Psi
Modulus at 100% elongation		2.4	MPa	348	Psi
Elongation at break		490	%	490	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		26	kN/m	148	Pli
Compression set	ISO 815				
22h/23°C		20	%	20	%
22h/70°C		26	%	26	%
70h/125°C		45	%	45	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		0	points	0	points
Retention tensile strength at break		82	%	82	%
Retention modulus at 100% elongation		98	%	98	%
Retention elongation at break		83	%	83	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		2	points	2	points
Retention tensile strength at break		88	%	88	%
Retention modulus at 100% elongation		102	%	102	%
Retention elongation at break		87	%	87	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		84	%	84	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	230	Pa.s	230	Pa.s

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

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