

Product Data Sheet

Sarlink® 4785B40

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	84A		84A	
Extruded sample		86A		86A	
Injection molded sample					
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		8.9	MPa	1291	Psi
Modulus at 100% elongation		5.5	MPa	798	Psi
Elongation at break		450	%	450	%
<u>Cross direction</u>					
Tensile strength at break		9.5	MPa	1378	Psi
Modulus at 100% elongation		4.8	MPa	696	Psi
Elongation at break		540	%	540	%
Tear Strength	ISO 34B	40	kN/m	228	Pli
<u>Cross direction</u>					
Unnicked angle					
Compression set	ISO 815				
22h/23°C		32	%	32	%
22h/70°C		44	%	44	%
70h/125°C		72	%	72	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		3	points	3	points
Retention tensile strength at break		90	%	90	%
Retention modulus at 100% elongation		107	%	107	%
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		109	%	109	%
Retention elongation at break		86	%	86	%
Volume swell	ISO 1817	65	%	65	%
70h/125°C in IRM 903 oil					
Rheology	ISO 11443	190	Pa.s	190	Pa.s
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary				

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

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