

Product Data Sheet

Sarlink® 5735B

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		34A		34A	
Injection molded sample		36A		36A	
Tensile Properties	ISO 37				
<u>Flow direction</u>					
Tensile strength at break		2.6	MPa	377	Psi
Modulus at 100% elongation		1.7	MPa	247	Psi
Elongation at break		210	%	210	%
<u>Cross direction</u>					
Tensile strength at break		3.3	MPa	479	Psi
Modulus at 100% elongation		0.8	MPa	116	Psi
Elongation at break		530	%	530	%
Tear Strength	ISO 34B				
<u>Cross direction</u>					
Unnicked angle		10	kN/m	57	Pli
Compression set	ISO 815				
22h/23°C		12	%	12	%
22h/70°C		23	%	23	%
70h/125°C		42	%	42	%
Hot air aging	ISO 188				
<u>168h/150°C, Cross Direction</u>					
Change in hardness		1	points	1	points
Retention tensile strength at break		102	%	102	%
Retention modulus at 100% elongation		108	%	108	%
Retention elongation at break		112	%	112	%
<u>1000h/135°C, Cross Direction</u>					
Change in hardness		0	points	0	points
Retention tensile strength at break		95	%	95	%
Retention modulus at 100% elongation		104	%	104	%
Retention elongation at break		115	%	115	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		110	%	110	%
Rheology	ISO 11443				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C	Capillary	210	Pa.s	210	Pa.s

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

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