sarlink

Stretching innovations

Product Data Sheet

Sarlink® 5735B4

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				
Flow direction					
Tensile strength at break		2.6	MPa	377	Psi
Modulus at 100% elongation		1.7	MPa	247	Psi
Elongation at break		210	%	210	%
Cross direction					
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				
Cross direction					
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				
168h/150°C, Cross Direction					
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	%
1000h/135°C, Cross Direction					
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				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		210	Pa.s	210	Pa.s

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

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