sarlink

Stretching innovations

Product Data Sheet

Sarlink® 5745B4

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	950	kg/m^3	950	kg/m^3
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		44A		44A	
Injection molded sample		46A		46A	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		3.0	MPa	435	Psi
Modulus at 100% elongation		2.1	MPa	305	Psi
Elongation at break		230	%	230	%
Cross direction					
Tensile strength at break		4.3	MPa	624	Psi
Modulus at 100% elongation		1.2	MPa	174	Psi
Elongation at break		540	%	540	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		17	kN/m	97	Pli
Compression set	ISO 815				
22h/23°C		13	%	13	%
22h/70°C		26	%	26	%
70h/125°C		42	%	42	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		-2	points	-2	points
Retention tensile strength at break		102	%	102	%
Retention modulus at 100% elongation		101	%	101	%
Retention elongation at break		112	%	112	%
1000h/135°C, Cross Direction					
Change in hardness		-2	points	-2	points
Retention tensile strength at break		93	%	93	%
Retention modulus at 100% elongation		100	%	100	%
Retention elongation at break		114	%	114	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		120	%	120	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		280	Pa.s	280	Pa.s

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

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