sarlink

Stretching innovations

Product Data Sheet

Sarlink® 4165

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	960	kg/m^3	960	kg/m^3
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		63A		63A	
Injection molded sample		65A		65A	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		5.8	MPa	841	Psi
Modulus at 100% elongation		4.2	MPa	609	Psi
Elongation at break		280	%	280	%
Cross direction					
Tensile strength at break		6.8	MPa	986	Psi
Modulus at 100% elongation		2.5	MPa	363	Psi
Elongation at break		570	%	570	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		29	kN/m	166	Pli
Compression set	ISO 815				
22h/23°C		17	%	17	%
22h/70°C		27	%	27	%
70h/125°C		40	%	40	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		2	points	2	points
Retention tensile strength at break		89	%	89	%
Retention modulus at 100% elongation		100	%	100	%
Retention elongation at break		89	%	89	%
1000h/135°C, Cross Direction					
Change in hardness		2	points	2	points
Retention tensile strength at break		91	%	91	%
Retention modulus at 100% elongation		104	%	104	%
Retention elongation at break		92	%	92	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		83	%	83	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		340	Pa.s	340	Pa.s

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

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