sarlink

Stretching innovations

Product Data Sheet

Sarlink® 5755B4

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	970	kg/m^3	970	kg/m^3
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		55A		55A	
Injection molded sample		58A		58A	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		4.6	MPa	667	Psi
Modulus at 100% elongation		3.1	MPa	450	Psi
Elongation at break		280	%	280	%
Cross direction					
Tensile strength at break		5.2	MPa	754	Psi
Modulus at 100% elongation		1.9	MPa	276	Psi
Elongation at break		550	%	550	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		21	kN/m	120	Pli
Compression set	ISO 815				
22h/23°C		17	%	17	%
22h/70°C		27	%	27	%
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		88	%	88	%
Retention modulus at 100% elongation		98	%	98	%
Retention elongation at break		98	%	98	%
1000h/135°C, Cross Direction					
Change in hardness		1	points	1	points
Retention tensile strength at break		94	%	94	%
Retention modulus at 100% elongation		103	%	103	%
Retention elongation at break		110	%	110	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		99	%	99	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		315	Pa.s	315	Pa.s

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

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