Product Data Sheet

Sarlink® 5790B

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		87A		87A	
Injection molded sample		89A		89A	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		13.4	MPa	1944	Psi
Modulus at 100% elongation		9.8	MPa	1421	Psi
Elongation at break		370	%	370	%
Cross direction					
Tensile strength at break		14.1	MPa	2045	Psi
Modulus at 100% elongation		6.5	MPa	943	Psi
Elongation at break		600	%	600	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		70	kN/m	400	Pli
Compression set	ISO 815				
22h/23°C		36	%	36	%
22h/70°C		49	%	49	%
70h/125°C		72	%	72	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		1	points	1	points
Retention tensile strength at break		87	%	87	%
Retention modulus at 100% elongation		110	%	110	%
Retention elongation at break		80	%	80	%
1000h/135°C, Cross Direction					
Change in hardness		1	points	1	points
Retention tensile strength at break		93	%	93	%
Retention modulus at 100% elongation		114	%	114	%
Retention elongation at break		80	%	80	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		60	%	60	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		350	Pa.s	350	Pa.s

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

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