Product Data Sheet

Sarlink® 5775B

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		72A		72A	
Injection molded sample		75A		75A	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		7.3	MPa	1059	Psi
Modulus at 100% elongation		4.9	MPa	711	Psi
Elongation at break		340	%	340	%
Cross direction					
Tensile strength at break		8.5	MPa	1233	Psi
Modulus at 100% elongation		3.2	MPa	464	Psi
Elongation at break		590	%	590	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		35	kN/m	200	Pli
Compression set	ISO 815				
22h/23°C		23	%	23	%
22h/70°C		32	%	32	%
70h/125°C		47	%	47	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		2	points	2	points
Retention tensile strength at break		90	%	90	%
Retention modulus at 100% elongation		102	%	102	%
Retention elongation at break		89	%	89	%
1000h/135°C, Cross Direction					
Change in hardness		3	points	3	points
Retention tensile strength at break		92	%	92	%
Retention modulus at 100% elongation		104	%	104	%
Retention elongation at break		93	%	93	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		88	%	88	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		330	Pa.s	330	Pa.s

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

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