sarlink

Stretching innovations

Product Data Sheet

Sarlink® 4149D

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	940	kg/m^3	940	kg/m^3
Hardness Shore (5 sec delay)	ISO 868				
Extruded sample		47D		47D	
Injection molded sample		51D		51D	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		21.6	MPa	3133	Psi
Modulus at 100% elongation		18.0	MPa	2611	Psi
Elongation at break		420	%	420	%
Cross direction					
Tensile strength at break		23.1	MPa	3350	Psi
Modulus at 100% elongation		13.0	MPa	1885	Psi
Elongation at break		740	%	740	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		141	kN/m	805	Pli
Compression set	ISO 815				
22h/23°C		55	%	55	%
22h/70°C		64	%	64	%
70h/125°C		85	%	85	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		2	points	2	points
Retention tensile strength at break		85	%	85	%
Retention modulus at 100% elongation		115	%	115	%
Retention elongation at break		80	%	80	%
1000h/135°C, Cross Direction					
Change in hardness		2	points	2	points
Retention tensile strength at break		92	%	92	%
Retention modulus at 100% elongation		125	%	125	%
Retention elongation at break		80	%	80	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		38	%	38	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		440	Pa.s	440	Pa.s

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

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v. 08.2008