Product Data Sheet

Sarlink® 5740DB

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		38D		38D	
Injection molded sample		40D		40D	
Tensile Properties	ISO 37				
Flow direction					
Tensile strength at break		18.0	MPa	2611	Psi
Modulus at 100% elongation		13.3	MPa	1929	Psi
Elongation at break		490	%	490	%
Cross direction					
Tensile strength at break		19.0	MPa	2756	Psi
Modulus at 100% elongation		9.0	MPa	1305	Psi
Elongation at break		640	%	640	%
Tear Strength	ISO 34B				
Cross direction					
Unnicked angle		88	kN/m	502	Pli
Compression set	ISO 815				
22h/23°C		46	%	46	%
22h/70°C		58	%	58	%
70h/125°C		80	%	80	%
Hot air aging	ISO 188				
168h/150°C, Cross Direction					
Change in hardness		3	points	3	points
Retention tensile strength at break		78	%	78	%
Retention modulus at 100% elongation		105	%	105	%
Retention elongation at break		75	%	75	%
1000h/135°C, Cross Direction					
Change in hardness		3	points	3	points
Retention tensile strength at break		80	%	80	%
Retention modulus at 100% elongation		109	% %	109	%
Retention elongation at break		75		75	%
Volume swell	ISO 1817				
70h/125°C in IRM 903 oil		47	%	47	%
Rheology	ISO 11443				
Apparent Shear Viscosity	Capillary				
@ 206 1/s, 200°C		400	Pa.s	400	Pa.s

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

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