

A highly engineered Thermoplastic Elastomer for use in demanding applications. Sarlink® 4149D is a high hardness grade possessing exceptional tensile strength, superior compression set, chemical resistance and high temperature performance. It can be easily processed by injection molding, blow molding or extrusion for various applications such as boots and bellows, seals, gaskets as well as other profiles and articles.

Typical Properties*	Test Method	S.I.		U.S.	
		Typical Value	Units	Typical Value	Units
Hardness shore D (5 sec) Injection moulded sample Extruded sample	ASTM D-2240 5 sec. delay 5 sec. delay	51 47		51 47	
Specific gravity	ASTM D-792	0.94		0.94	
Stress/strain properties <u>Flow direction</u> Tensile strength Modulus 100% Elongation at break <u>Cross direction</u> Tensile strength Modulus 100% Elongation at break	ASTM D-412 Die C	18.4 15.6 627 22.0 13.5 683	MPa MPa % MPa MPa %	2668 2262 627 3190 1958 683	Psi Psi % Psi Psi %
Tear strength <u>Cross direction</u> Unnicked	ASTM D-624 Die C	141	kN/m	804	Pli
Compression set 22h/23°C 22h/70°C 70h/125°C	ASTM D-395 Method B	59 71 85	% % %	59 71 85	% % %
Hot air aging <u>168h/150°C, Cross Direction</u> Change in hardness Retention tensile strength Retention modulus at 100% Retention elongation at break <u>1000h/135°C, Cross Direction</u> Change in hardness Retention tensile strength Retention modulus at 100% Retention elongation at break	ASTM D-573	2.3 95 109 83 2.0 92 108 85	- % % % - % % %	2.3 95 109 83 2.0 92 108 85	- % % % - % % %
Volume swell 70h/125°C Oil #3	ASTM D-471	38	%	38	%
Rheology <u>Apparent Shear Viscosity</u> @ 206 1/s, 200°C	ASTM D-3835	458	Pa.s	458	Pa.s

* Tests are conducted on injection moulded plaques unless indicated otherwise.

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