

# Product Data Sheet

## Sarlink® 3170

Typical properties*	Test method	S.I.		U.S.	
		Typical value	Units	Typical value	Units
Density	ISO 1183	950	kg/m <sup>3</sup>	950	kg/m <sup>3</sup>
Hardness Shore (5 sec delay) Extruded sample Injection molded sample	ISO 868	71A 75A		71A 75A	
<b>Tensile Properties</b> <u>Flow direction</u> Tensile strength at break Modulus at 100% elongation Elongation at break <u>Cross direction</u> Tensile strength at break Modulus at 100% elongation Elongation at break	ISO 37	6.7 5.1 300 7.7 3.3 670	MPa MPa % MPa MPa %	972 740 300 1117 479 670	Psi Psi % Psi Psi %
<b>Tear Strength</b> <u>Cross direction</u> Unnicked angle	ISO 34B	42	kN/m	240	Pli
<b>Compression set</b> 22h/23 C 22h/70 C 70h/125 C	ISO 815	25 43 63	% % %	25 43 63	% % %
<b>Hot air aging</b> <u>168h/150°C, Cross Direction</u> Change in hardness Retention tensile strength at break Retention modulus at 100% elongation Retention elongation at break <u>1000h/135°C, Cross Direction</u> Change in hardness Retention tensile strength at break Retention modulus at 100% elongation Retention elongation at break	ISO 188	3 96 105 86 -1 92 110 87	points % % % points % % %	3 96 105 86 -1 92 110 87	points % % % points % % %
<b>Volume swell</b> 70h/125°C in IRM 903 oil	ISO 1817	115	%	115	%
<b>Rheology</b> <u>Apparent Shear Viscosity</u> @ 206 1/s, 200 C	ISO 11443 Capillary	290	Pa.s	290	Pa.s

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

The information and suggestions contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's suggestions. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

© SARLINK® is a registered trademark of Teknor Apex Company  
v. 04.2011