

## SOLITE EVA PLAIN SHEETING for Insoles and Mid-Soling

A range of typical properties of "SOLITE" are shown below, which apply to all colours of the material. Satra Guidelines have been included to provide additional information.

	<u>SOLITE EVA</u>	<u>SATRA Recommendation</u>
Hardness IRHD	<del>50</del> 69	<del>33-55</del> 56-75 0.50
Density (gcm <sup>-3</sup> )	<del>0.93</del> 0.51	<del>0.30</del> minimum
Abrasion Volume Loss (mm <sup>3</sup> )	<del>541</del> 256	40 minimum
Flexible cut growth rate (mm/kc)	less than 0.008 /	

Testing Standards: Hardness (IRHD) BS 903:A26: 1995 Method N/L  
Abrasion resistance (mm<sup>3</sup> loss) \* DIN 53516 1987  
Flexing Endurance @ -5°C. (mm cut growth/kc) BS 5131:2.1: 1991

### COMMENTS

Solite EVA is described commercially by A.Algeo Ltd. to be a "High Density EVA". It measures between Shore A55 and 65. It could be used as an Outsole material.

Solite is a thermo - mouldable EVA materials suitable for use as base materials for Moulded Total Contact Insole (TCI) and Functional Foot Orthotic Insoles (FFO)

Amongst the EVA's there is a correlation between harness and density, the lowest densities corresponding to the lowest hardnesses. There is also a correlation with abrasion resistance, the highest densities have the best abrasion resistance (lowest volume losses). This is as expected. The soling EVA's are all basically satisfactory with respect to SATRA Guideline recommendations.

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