

## Entry Level Ceramic Wear PLate/Liner

ACEdurable™ wear liners, the original product in our range, have been designed to provide increased abrasion resistance compared to our metallic liners, particularly in harsh bulk materials handling applications.

ACEdurable™ ceramic wear liners are composed of Alumina Ceramic tiles.



Item	Description	Unit	Result
<b>Composition</b>	<b>Al2O3</b>	<b>%</b>	<b>92</b>
<b>Material Properties</b>	<b>Total Porosity</b>	<b>%</b>	<b>&lt;0.8</b>
	<b>Apparent Density</b>	<b>g/cm<sup>3</sup></b>	<b>&lt;0.2</b>
	<b>Average Grain Size</b>	<b>um</b>	<b>&lt;2.8</b>
<b>Mechanical Properties</b>	<b>Hardness</b>	<b>HV10</b>	<b>&gt;1100</b>
	<b>Fracture Toughness</b>	<b>MPa.m<sup>1/2</sup></b>	<b>3.5</b>
<b>Rubber</b>	<b>Hardness</b>	<b>Shore A</b>	<b>60 +/- 5</b>
	<b>Elongation</b>	<b>%</b>	<b>400</b>
	<b>Resilience</b>	<b>%</b>	<b>65</b>

**Note:**

Fracture toughness (K<sub>1c</sub>) calculations were carried out using indentation methods used for median crack system; ref. Evans and Charles using HV values. A number of different equations and methods exist for fracture toughness calculation within the industry and may vary between analytical laboratories. Different calculation methods may not be readily comparable in terms of values as they may be based on different assumptions and empirically derived constants, and different values may be obtained depending on the method used. Thus all values for fracture toughness are indicative and best used comparatively using a preferred method of calculation.

### For Additional Information

Call ACE on +61 8 9303 9944 or email [info@australce.com](mailto:info@australce.com)



**PROTECTING ASSETS  
ENHANCING EFFICIENCY**

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