

## Proven Premium ZTA Liner

ACEarmour+™ is a **cost effective** Zirconium wear liner that has been specifically designed to provide optimum performance in **high impact applications**.

The innovative technology combines Zirconium toughened Alumina, giving extreme protection and **extending service life**.



Item	Description	Unit	Result
<b>Composition</b>	ZTA	%	21.5
<b>Material Properties</b>	Apparent Porosity	%	3.8
	Apparent Density	g/cm <sup>3</sup>	4.1
<b>Mechanical Properties</b>	Hardness	HV10	1410
	Fracture Toughness	MPa.m <sup>1/2</sup>	2.8
<b>Rubber</b>	Hardness	Shore A	60 +/- 5
	Elongation	%	400
	Resilience	%	65

**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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