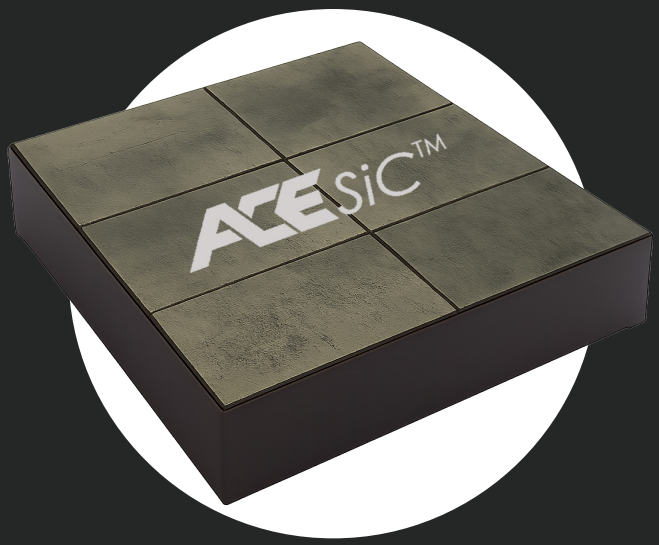
ACE SiC™

Sintered Silicone Carbide Liners

ACE *SiC*™ wear liners are manufactured from ultra-fine powder with sintering additives, shaped using standard ceramic forming techniques, and sintered at 2000–2200°C in an inert gas atmosphere.

ACE *SiC*™ liners offer the highest possible abrasion resistance with moderate impact resistant properties.

ACE *SiC*™ liners can be used on their own, or in combination with other liner products in the ACE product range, providing the ability to overcome client specific wear and impact issues.



ACE SiC™

Item	Unit	Data
Temperature of Application	℃	1600 ℃
Density	g/cm3	3.1
Porosity	%	≤0.1
Flexural Strength	Mpa	480-600
Fracture Strength	Mpa	1950-2600
Modulus of Elasticity	GPa	420-450
Thermal Conductivity	W/m.k	74
Coefficient of Thermal Expansion	K-1 ×10-6	4.1
Vicker Hardness HV10	GPa	22
Acid Proof Alkaline	Excellent	

BENEFITS

- Light weight and high density
- As cast tight dimensional tolerances
- High creep resistance
- Superior wear resistance
- Excellent oxidation and erosion resistance
- Corrosion resistant
- Maximum use temperature to 1600 °C

For Additional Information

Call ACE on +61 8 9303 9944 or email info@australce.com

PROUDLY AUSTRALIAN OWNED AND OPERATED

ACE PROTECTING ASSETS ENHANCING EFFICIENCY

Australian Ceramics Engineering Pty Ltd. | ABN 89 153 041 975
67 Excellence Drive, Wangara WA 6065 | +61 8 9303 9944
info@australce.com | www.australce.com