

AC 19
ZIRCONIA BACKING MIX -30+50

Typical Chemical Analysis	%
SiO ₂	0.4
TiO ₂	0.2
Fe ₂ O ₃	0.1
Al ₂ O ₃	0.2
CaO	0.2
MgO	3.0
ZrO ₂ and HfO ₂	95.9

Thermal Properties

Specific heat (J/kgK)	550 - 810	(20°C - 2000°C)
Thermal conductivity (W/mK)		(20°C - 2000°C)
Coefficient of thermal expansion (K ⁻¹)		(20°C - 1600°C)

General Properties

Maximum Service Temperature (°C)	2600
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Typical Sieve Analysis	%
+ 30 BSS	0
-30 +50	96
-50	4

Magna ZIRCONIA BACKING MIX has been formulated from a magnesia stabilized fused zirconia, subsequently calcined at 1550°C. The size grading is designed to give a uniform expansion curve which is compatible with its use in many foundry applications.

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