TREIBACHER SCHLEIFMITTEL

ALODUR® FZM

Physical Properties	ALODUR®FZM
Type:	Fused Zirconia Mullite
Colour:	Brown - Yellow
Grain Bulk Density:	3.66 g/cm^3
True Specific Gravity:	3.72 g/cm^3
Grain Apparent Porosity:	2.5 %
Refractoriness:	1743 °C, PCE 33/34

Applications:

The unusual physical and chemical characteristics of ALODUR® **FZM,** Fused Zirconia Mullite, make it a desirable component in refractories for both the steel and glass industries. Its non-wetting characteristics allow contact with molten glass, metal and slags with minimal erosion. Its low and unusual reversible thermal expansion improves thermal shock resistance producing a crack stopping mechanism.

These properties allow the production of refractories with improved slag and thermal shock resistance specifically useful in slide gate refractories and continuous casting expendables.

Standard Size Fractions:

The table below lists standard particle sizes, other sizes are available on request.

Standard Size Fractions:

Metric size	B.S.S.	Metric size	B.S.S.
3.0 - 5.0 mm	-3/16" +1/8"	0.0 - 0.50 mm	- 30mesh
1.5 - 3.0 mm	-1/8" +1/16"	0.0 - 0.15 mm	-100mesh
0.7 - 1.5 mm	-1/16" +22mesh	0.0 - 0.08 mm	-200mesh
0.0 - 0.7 mm	-22mesh		

Typical chemical analysis in wt.%:

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	CaO + MgO	K_2O + Na_2O	ZrO_2 + HfO_2
45.8	17.1	0.1	0.1	0.1	0.2	36.50