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## Technical Data Sheet – Sinter Grit

Sinter grit abrasives are made from sintering bauxite which is a natural mineral.

The sintering process does not melt / fuse the bauxite, (as happens with aluminium oxide).

Sinter grit is used as a cheaper alternative to aluminium oxide. Due to the higher iron content, it can last longer than aluminium oxide but will leave a darker finish. It should not be used on articles where low iron contents are required e.g. in the aerospace industry.

Product is packed in 25kg bags

Tariff Code 73269096

### Chemical Composition

Component Name	Code	Concentration
Aluminium Oxide	AL <sub>2</sub> O <sub>3</sub>	72.80%
Iron Oxide	FeO	13.50%
Silica Oxide	SiO <sub>2</sub>	6.98%
Calcium Oxide	CaO	2.37%
Titanium Dioxide	TiO <sub>2</sub>	1.63%
Potassium Oxide	K <sub>2</sub> O	0.47%

### Physical Properties

Physical state	Solid angular black
Odour	None
Explosion Limits (%)	None
Flash point:	None
Solubility in water (kg/m <sup>3</sup> )	Insoluble
Density (g/cm <sup>3</sup> )	2.04
Hardness	

## Grade Sizes

Sintergrit	Mesh	mm
Sinter1	30/70	0.2 – 0.5
Sinter2	60/120	0.12 – 0.25