

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 ₂ O ₃	72.80%
Iron Oxide	FeO	13.50%
Silica Oxide	SiO ₂	6.98%
Calcium Oxide	CaO	2.37%
Titanium Dioxide	TiO ₂	1.63%
Potassium Oxide	K ₂ O	0.47%

Physical Properties

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

Grade Sizes

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