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Technical Data Sheet – Iron silicate

Iron Silicate is a synthetic mineral produced from copper refineries as a slag and then cooled immediately in water to form a glass type substance.

Iron Silicate is generally used as an expendable abrasive for cleaning steel structures.

Product is packed in 25kg bags or loose in bulk bags

Tariff Code 7203900000

Produced to ISO Standard ISO11126 Part 6

Chemical Composition

Component Name	Code	Concentration
Silica Oxide	SiO ₂	29.73%
Calcium Oxide	CaO	1.17%
Aluminium Oxide	Al ₂ O ₃	2.72%
Iron Oxide	FeO	45.29%
Sulphur	S	0.59%
Lead Oxide	PbO	0.49%
Arsenic	As	840ppm

Physical Properties

Physical state	Solid, angular black granules
Odour	None
Explosion Limits (%)	None
Flash point:	None
Solubility in water (kg/m ³)	Insoluble
Density (kg/m ³)	1800
Hardness	7 - 8 mohs
Specific gravity	3.7

Grade Sizes

Code	Iron Silicate	mm
Keyblast1	Ultra Fine	0.1-0.2
Keyblast2	Fine	0.15-0.85
Keyblast3	Med	0.15-1.7
Keyblast5	Big Med	1-2
Keyblast4	Coarse	1.7-3