



Henan Silk Road Abrasives & Tools



TECHNICAL DATA SHEET *black fused Aluminum Oxide*

Typical Chemistry

	General	Special
Aluminum Oxide (Al ₂ O ₃)	63 %	82.7 %
Silicon Dioxide (SiO ₂)	24 %	9 %
Titanium Dioxide (TiO ₂)	3 %	2 %
Iron Oxide (Fe ₂ O ₃)	9 %	6 %

Physical Characteristics

True Density	3.50 g/cm ³
Melting Point	2050°C
Color	black
Hardness	Mohs: 9.0

Test Methods

Macrogrit Sizing:	ANSI B74.12 Customer Specific Standards
Microgrit Sizing:	FEPA F Standard 42-2:2006 FEPA P Standard 43-2:2006 JIS R 6001-1987 Custom Sizes Available

Certifications Available

NSI and FEPA (Macrogrits); FEPA and JIS (Microgrits)
Agency & Mil-Specs

Description:

Silk Road Abrasives produces Black fused aluminum oxide is produced by smelting bauxite, iron oxide, and other elements. It offers moderate hardness, high toughness, excellent heat resistance, thermal stability, and self-sharpening. Widely used in abrasives, high-temperature processes, and wear-resistant coatings, it's an ideal choice for diverse industrial applications.

Applications:

Silk Road Abrasives's black fused aluminum oxide is commonly used for polishing metal products, especially stainless steel, to achieve a smooth surface with minimal discoloration, as well as grinding and polishing workpiece surfaces to effectively remove irregularities, burrs, and scratches, resulting in precise and smooth machining outcomes. It also finds applications in road abrasives, such as pavement repair, road surface anti-skid treatment, and related uses.

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