

BROWN FUSED ALUMINA



BROWN FUSED ALUMINA is a non-disposable abrasive according to DIN EN ISO 11126-7 N/FA-A/G and is based on aluminium oxide. The product meets the work protection requirements in accordance with BGR 500, part 2, chapter 2.24, „Working with blasting equipment (blasting work)“.

CHARACTERISTICS

- > non-metallic
- > versatile
- > high-quality
- > multifunctional
- > high specific weight
- > hard
- > low-dust
- > sharp-edged – highly abrasive
- > iron-free for stainless and special steel as well as non-ferrous metals
- > for compressed air jet technology

CHEMICAL ANALYSIS

(normal values)

Al ₂ O ₃	min.	94,5 %
TiO ₂		2,7 %
SiO ₂		0,9 %
Fe ₂ O ₃		1,0 %
CaO		0,1 %
MgO		0,3 %

PHYSICAL PROPERTIES

specific weight	approx.	4,0 g/cm ³
bulk density	approx.	1,4 – 1,8 g/cm ³
Mohs hardness	approx.	8-9
particle shape		edged

SIZES

0,06 – 0,125 mm
0,125 – 0,25 mm
0,25 – 0,5 mm
0,5 – 1,00 mm
0,5 – 2,0 mm
1,0 – 2,0 mm

Macro grain sizes according to Fepa between F 10 (1680-2380µm) and F 220 (44-74µm)

Micro grain sizes according to Fepa between F 240 (17-62µm) and F 1000 (1-10µm)

PACKAGING

25 kg paper bags on pallets of 1,000 kg
Big bags of 1,000kg

USE

Use as non-disposable abrasives in mobile and stationary compressed air systems.

High service life due to hardness and viscosity. High specific weight ensures high stock removal rate and surface roughness.

Lower dust dry blasting than when using once-through abrasives.

Appropriate for blasting work on high-alloy steel, special steel, non-ferrous metals and wood due to no iron content. Surface preparation.

Sectors: Corrosion Protection, Vehicle Construction, Shipbuilding Industry