

BROWN ALUMINUM OXIDE POWDERS FOR GENERAL PURPOSES

1 DESCRIPTION

A medium-density, long-wearing, hard, and tough abrasive with minimum wear characteristics. With a hardness of 9.0 on the Mohs scale and 2,090 on the Knoop scale, this material is excellent for surface finishing or iron, steel, and other hard materials.

2 APPLICATIONS

Manufacturing of bonded products; also used for flat lapping of hard metals, ceramics and other materials.

3 TYPICAL CHEMISTRY

Al ₂ O ₃	94.91%
TiO ₂	3.97%
SiO ₂	0.40%
Fe ₂ O ₃	0.10%
ZrO ₂	0.28%

4 PHYSICAL PROPERTIES

Crystalline Structure	Alpha
Knoop Hardness	2,090
Mohs Hardness	9.0
Density	3.92 gr/cm ³
Particle Form	Blocky Shape

5 SPECIFICATIONS / NORMS

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Micro Spec's



6 SIZES

F-240
F-280
F-320
F-360
F-400
F-500
F-600
F-800
F-1000
F-1200

27.5 microns
17.5 microns
9.5 microns

7 PACKAGING

20 kg and 25 kg plastic pails and 1 metric ton Super Sacks and 250 kg minibags on wood pallets with stretchable wrap.