



Corundum Powder **diamant**[®]

- Aluminum oxide (corundum) is an artificially produced mineral abrasive.
- Brown fused alumina is manufactured by reducing and melting high-grade bauxites in an electric arc furnace.
- It consists of approximately **95–96% aluminum oxide** (Al_2O_3) and approximately **3% titanium oxide** (TiO_2).
- The titanium oxide content gives brown fused alumina its toughness and characteristic brown color.
- The hardness of corundum is **9 on the Mohs scale**.

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Properties

Mohs hardness: 9 (1)

Color: Brown

FEPA (2) - Grain Sizes (Macro Grit) - Particle Size in μm

No. 8 =	2830 - 2000	No. 54 =	354 - 250
No. 10 =	2380 - 1680	No. 60 =	297 - 210
No. 12 =	2000 - 1410	No. 70 =	250 - 177
No. 14 =	1680 - 1190	No. 80 =	210 - 149
No. 16 =	1410 - 1000	No. 90 =	177 - 125
No. 20 =	1190 - 841	No. 100 =	149 - 105
No. 24 =	841 - 595	No. 120 =	125 - 88
No. 30 =	707 - 500	No. 150 =	105 - 63
No. 36 =	595 - 420	No. 180 =	88 - 53
No. 46 =	420 - 297	No. 220 =	74 - 44

(1) Mohs Scale: Hardness scale from 1 to 10 (10 = diamond)

(2) FEPA: Federation of European Producers of Abrasives (Fédération Européenne des Fabricants de Produits Abrasifs)

- The micro grit range begins at approximately 50 μm and below.
- According to the international **FEPA "F"** series, the micro grit range is divided into **11 grit sizes**, from: F230 (average particle size 53 μm) to F1200 (average particle size 3 μm)
- White and pink fused alumina grades are also available.

The data provided have been determined carefully and represent typical values based on experience. No legally binding obligations can be derived from these data. Any application examples mentioned do not constitute a warranty of specific properties and are subject to the respective application conditions and approvals.