

GRAYSTAR LLC

*A Manufacturer and Distributor of
Abrasive Materials and Specialty Products*

Headquarters

9 Simonsville Rd
PO Box 1670
Bluffton, SC 29910

Phone: 843-815-5600

Fax: 843-815-5601

www.graystarllc.com

Technical Data Sheet

Product: Pink Fused Aluminum Oxide (FEPA F and FEPA P - Macrogrits & Microgrits)

Description: Pink Fused Aluminum Oxide contains chromium oxide, which gives the material its pink color. The incorporation of the Cr₂O₃ into the Al₂O₃ crystal lattice produces a slight increase in toughness and a reduced friability compared with White Fused Alumina.

Compared to Brown Regular Aluminum Oxide the Pink material is harder, more aggressive and has better cutting ability. The grain shape of Pink Aluminum Oxide is sharp and angular.

Applications: The FEPA F grades are especially suitable for the manufacture of vitrified bonded abrasives for working hardened steels and alloys with tensile strengths of over 50 kg/mm². It is also used in tool grinding, saw and knife-sharpening applications, precision grinding, profile grinding, flute grinding, tooth grinding, dry grinding of blade segments and mounted wheels.

The FEPA P grades are a preferred material for working non-ferrous metals and the alloys (copper, aluminum, zinc, brass, Bronze), but also used for softer materials, such as wood, synthetics and paints.

Typical Chemical Analysis:

Aluminum Oxide (Al ₂ O ₃)	99.52%
Total Iron as Fe ₂ O ₃	0.05%
Sodium Oxide (Na ₂ O)	0.18%
Chromium Oxide (Cr ₂ O ₃)	0.25%

Macrogrit Sizes:

FEPA F Sizes: F14 to F240 (in accordance with FEPA 42-1: 2006 and ANSI B74.12 standards)

FEPA P Sizes: P12 to P220 (in accordance with FEPA 43-1: 2006 standard)

Microgrit Sizes:

FEPA F Sizes: F230 to F400 (in accordance with FEPA 42-2: 2006 standard)

FEPA P Sizes: P240 to P1200 (in accordance with FEPA 43-2: 2006 standard)

Packaging & Shipping:

Warehousing in Bluffton, SC and Niagara Falls, NY

Fiber drums

Plastic pails, etc. for a surcharge (SC only)