

EMERUNDUM

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DESCRIPTION

EMERUNDUM is produced from naturally occurring Emery ore that is rich in aluminum oxide. Mineralogically, Emery is an intimate mix of corundum and magnetite¹. Corundum is a natural form of aluminum oxide.

It is this percentage of aluminum oxide in Emery which makes EMERUNDUM so extremely hard, tough, and fracture resistant. EMERUNDUM is crushed only from specially selected abrasive Emery ore that contains not less than 58% aluminum oxide. EMERUNDUM is a dense, non-porous fine-grained aggregate.

APPLICATIONS

EMERUNDUM is used in paper and cloth applications, buffing compounds, particularly for chrome plate, and as a loose abrasive in ball grinders.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	58% Minimum
Fe ₂ O ₃	25% Minimum
SiO ₂	4%
TiO ₂	3%
CaO	2%
L.O.I.	8%

TYPICAL PHYSICAL PROPERTIES

Crystallography	Polycrystalline to amorphous, dense, fine grained
Specific Gravity	3.5 (ASTM C127)
Hardness	Moh's Scale 8
Shape	Blocky with sharp edges
Grading	Washington Mills' Standards

SIZES AVAILABLE

8/16, 8/35, 14/36, 16/50, 24/60, 36/80, 50/F, and 80/150

¹ Dana's "System of Minerals Classification"

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.