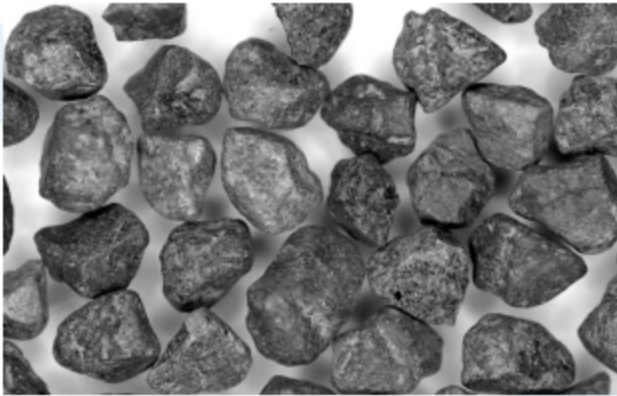


SPECIAL 25% ZIRCONIA ALUMINA



DESCRIPTION

Special 25% zirconia alumina is an electro-fused alumina - zirconia grain, produced by fusing alumina and zirconia raw materials at about 2000C temperature in an electric arc furnace. Following a unique process of quenching, crushing, and resizing, we produce the distinct characteristics and the exact grain measurements. It is extremely wear resistant and anti-friable grain that is widely for bonded abrasives.

APPLICATIONS

ZA18 is a dense, low silicon content, durable material with blocky shape, frequently used to produce heavy-duty bonded abrasives.

ZA19 is extremely tough and hard, which is re-shaped based on the ZA18. It is frequently used for producing extra-duty bonded abrasives for steel conditioning industry.

GRITS AVAILABLE: F4-F220

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

| Al ₂ O ₃ | ZrO ₂ | SiO ₂ | Fe ₂ O ₃ | Na ₂ O |
|--------------------------------|------------------|------------------|--------------------------------|-------------------|
| 75 | 24 | 0.20 | 0.20 | 0.08 |

TYPICAL PHYSICAL PROPERTIES

| | | | |
|----------------|--|------------------|------------------------|
| Structure | a- Al ₂ O ₃ , m. t - ZrO ₂ | Absolute density | 4.35 g/cm ³ |
| Knoop hardness | 1780 kg/mm ² | Melting point | 1950°C |

TYPICAL BULK DENSITY

| ZA18 | | ZA19 | |
|-------|--------------|-------|--------------|
| GRITS | BULK DENSITY | GRITS | BULK DENSITY |
| F4 | 2.23-2.33 | F4 | 2.34-2.46 |
| F6 | 2.19-2.29 | F6 | 2.31 - 2.43 |
| F8 | 2.19 - 2.29 | F8 | 2.31 - 2.43 |
| F10 | 2.28 - 2.40 | F10 | 2.42 - 2.53 |
| F12 | 2.24 - 2.36 | F12 | 2.38 - 2.50 |
| F14 | 2.22 - 2.34 | F14 | 2.35 - 2.47 |
| F16 | 2.18 - 2.30 | F16 | 2.31 - 2.43 |
| F20 | 2.14 - 2.26 | F20 | 2.24 - 2.36 |
| F22 | 2.12 - 2.24 | F24 | 2.22 - 2.34 |
| F24 | 2.12 - 2.24 | F30 | 2.14 - 2.26 |
| F30 | 2.08 - 2.20 | | |
| F36 | 2.00 - 2.12 | | |
| F46 | 1.98 - 2.10 | | |
| F54 | 1.96 - 2.08 | | |
| F60 | 1.94 - 2.06 | | |
| F70 | 1.94 - 2.04 | | |
| F80 | 1.92 - 2.04 | | |
| F90 | 1.90 - 2.02 | | |
| F100 | 1.90 - 2.02 | | |
| F120 | 1.90 - 2.02 | | |
| F150 | 1.90 - 2.02 | | |
| F180 | 1.90 - 2.02 | | |
| F220 | 1.90 - 2.02 | | |