

SWARCOBLAST High-Grade Corundum, white

Technical Information

MAIN CHARACTERISTICS & FIELD OF APPLICATION

SWARCOBLAST high-grade corundum is a non-metallic, synthetic fine blasting medium made of aluminium oxide. It is suitable for applications where a non-ferrous and aggressive blasting medium is necessary, also for materials with highest hardness. Main application fields are aerospace, dental, electroplating, reactor and laboratory technologies. SWARCOBLAST high-grade corundum achieves a high cleaning effect in the shortest possible time through very sharp edges, even after multiple usage in the cycle. Additionally, it is also used as anti-skid material for road marking.

AVAILABLE GRAIN SIZES

| | | | | | | | | | |
|-------------|-----------------------|---------------------------------|---------------|---------------------------------|---------|------|---------|--|--|
| | μm | Macrogrits acc. to FEPA: | | | | | | | |
| | | F8 | 2000–2830 | F30 | 500–707 | F80 | 149–210 | | |
| | | F10 | 1680–2380 | F36 | 420–595 | F90 | 125–177 | | |
| | | F12 | 1410–2000 | F40 | 354–500 | F100 | 105–149 | | |
| | | F16 | 1000–1410 | F46 | 297–420 | F120 | 88–125 | | |
| | | F20 | 841–1190 | F54 | 250–354 | F150 | 63–105 | | |
| | | F22 | 707–1000 | F60 | 210–297 | F180 | 53–88 | | |
| | | F24 | 595–841 | F70 | 177–250 | F220 | 44–74 | | |
| | | Sieving Range | μm | Microgrits acc. to FEPA: | | | | | |
| | | | | F240 | 28–70 | F500 | 5–25 | | |
| F280 | 22–59 | | | F600 | 3–19 | | | | |
| F320 | 16–49 | | | F800 | 2–14 | | | | |
| F360 | 12–40 | | | F1000 | 1–10 | | | | |
| F400 | 8–32 | | | | | | | | |
| mm | Metric grains: | | | | | | | | |
| | 0,06–0,12 | | | | | | | | |
| | 0,12–0,25 | | | | | | | | |
| | 0,25–0,5 | | | | | | | | |
| | 0,5–1,0 | | | | | | | | |
| | 0,5–1,5 | | | | | | | | |
| | 0,5–2,0 | | | | | | | | |
| 1,0–2,0 | | | | | | | | | |

MATERIAL

| | |
|-----------------------------|---|
| Chemical composition | Aluminium oxide |
| | Al ₂ O ₃ ~ 99,3 % |
| | SiO ₂ ~ 0,12 % |
| | Fe ₂ O ₃ ~ 0,13 % |
| | Na ₂ O ~ 0,40 % |

PRODUCT INFORMATION

| | | |
|------------------------|---------------|-----------------------------|
| Specific weight | | ~ 3,9-4,1 g/cm ³ |
| Bulk weight | | ~ 1,4–1,8 kg/l |
| Hardness | acc. to Mohs | ~ 9 |
| | acc. to Knoop | 21 kN/mm ² |
| Colour | | white |
| Grain shape | | very sharp-edged |

PACKAGING & STORAGE

Packaging in 25 kg paper bags. Packaging in 1000 kg big bags is possible upon request. Protect product against humidity. Dry and sheltered storage.

IMPORTANT INFORMATION

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