

SWARCOBLAST Corn Cob Shot

Technical information

Main characteristics

SWARCOBLAST corn cob shot is a 100 % natural granulate mixture of ground corn cobs. The blasting medium is suitable for usage in vibratory finishing and troval systems as a drying agent.

It is also used for surface treatment of light metal and engine parts via pressure and injector blasting systems without changing the surface roughness.

SWARCOBLAST corn cob shot can absorb many times its weight in water and in oil. Thus, it is also suitable as an absorber for aqueous fluids, oils and fats.

Available grain sizes

| Sieving range | μm | GM 30 | 200-400 |
|---------------|----|-------|-----------|
| | | GM 20 | 400-800 |
| | | GM 16 | 800-1800 |
| | | GM 12 | 1800-2800 |
| | | GM 8 | 2800-3800 |
| | | GM 6 | 3800-5000 |
| | | | |

Product information

| Property | Typical value | Unit |
|------------------|---------------|-------------------|
| Specific weight | ~0,4-0,6 | g/cm ³ |
| Bulk weight | ~0,7 | kg/l |
| Hardness | ~4,5 | acc. to Mohs |
| Humidity | ~9 | % |
| Water absorption | 130-450 | % |
| Oil absorption | 100-360 | % |

Material

Chemical composition Harvested, cleaned, ground and sifted corn cobs:

| Property | Typical value | Unit |
|---------------|---------------|------|
| Cellulose | ~36,0 | % |
| Hemicellulose | ~37,3 | % |
| Pentosan | ~36,5 | % |
| Lignin | ~5,5 | % |

Packaging

- Packaging in 20 kg woven plastic bags.

Storage

- Dry and sheltered storage.

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The users have to make sure that the material is appropriate for the respective application.

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