Stenungsunds
INDUSTRISAND AB

# Garnet

Technical data

## General

Garnet is a natural mineral. The sand is extracted in India, washed twice before being dried, sieved and bagged. Careful control of raw materials, modern and advanced production makes our Garnet meet the high demands of an industrial product today.

## Applications:

Because of its purity, particle shape, hardness, and the wide range of grain sizes, our Garnet can be used for any blast task. The Benefits of Garnet are:

- Can be reused 3 to 5 times
- Provides minimal dust during blasting
- Provides less wear on the blasting equipment
- Increases productivity
- Is environmentally friendly

| PPROPERTIES | |
|---|---|
| Colour | Deep red/red brown |
| Shape | Angular |
| Hardness | 7,5 – 8 Mohs |
| Bulk density | 2300 kg/$m^3$ |
| Specific gravity | 4100 kg/$m^3$ |
| Free quartz | <0,5% |

| CHEMICAL COMPOSITION | |
|---|---|
| $SiO_2$ | 3,5% (bunden) |
| $Fe_2O_3$ | 33% |
| $A1_2\ O_3$ | 23% |
| MgO | 7% |
| CaO | 1% |
| MnO | 1% |

| GRAIN SIZES | |
|---|---|
| 10/25 | 0,60 – 1,70 mm |
| 20/40 | 0,40 – 0,80 mm |
| 30/60 | 0,20 – 0,60 mm |
| 80 | 0,18 – 0,36 mm |
| 120 | 0,10 – 0,18 mm |

## Other properties

Garnet does not contain heavy metals that expose the environment or users at risk.
Garnet is not magnetic, electrically conductive, hygroscopic or combustible.
Garnet does not contain free acids, salts, corrosive materials or water-soluble components.

## Environment

Garnet meets the national requirements for blast-cleaning. See AFS 1992:16, § $10^{th}$.
Garnet is approved under international blasting quality standard ISO 11126/4 and 11127.

## Packing

Garnet is supplied by bulk truck, 25 kg sacks or 1000 kg big bags. Delivery is from our plant in Stenungsund and Västerås.

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