



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Steel Grit** Standard, Medium & Extra Hard

Mac'Ants Group Ref: **SG , SG-L, SG-H**

Product: Steel Grit Abrasive Media

Description: An angular Steel Abrasive Media.

Application: Steel Grit provides a grey hammered finish and over time the media rounds off and provides a similar finish to Steel Shot. Steel Grit may be used for blasting of ferrous fabrications and forgings and also used in airless automated equipment. The medium and extra hard materials are only for air driven systems **not** for airless systems.

Chemical Composition:

| Compound | Chemical Formula | Typical Content % |
|------------|------------------|-------------------|
| Carbon | C | 0.85 – 1.2 |
| Silicon | Si | 0.4 – 1.5 |
| Sulphur | S | 0.05 |
| Phosphorus | Ph | 0.05 |
| Manganese | Mn | 0.35 – 1.2 |

Physical Parameters:

| | |
|------------------|---|
| Bulk Density | 4.6 g /cc |
| Shape | Angular |
| Colour | Blue-Grey to grey |
| Specific Gravity | NA |
| Hardness | SG: 44-50HRC SG-L: 54-60HRC SG-H: 64HRC |

Gradation:

| GRADE | SG12 | SG14 | SG16 | SG18 |
|--|-------------|-------------|-------------|-------------|
| Product Size (mm) | 1.70 - 2.40 | 1.40 - 2.00 | 1.20 - 1.70 | 1.00 - 1.40 |
| GRADE | SG25 | SG40 | SG50 | SG80 |
| Product Size (mm) | 0.70 - 1.20 | 0.42 - 1.00 | 0.30 - 0.71 | 0.18 - 0.42 |
| Minimum percentage of media between sizes shown varies from 60% to 100% subject to particular grade, further details on request. | | | | |

Packaging:

Typically 25 kg woven polypropylene sacks, but 1000kg big bags are available and custom label on application

Comment: Manufactured to ISO 11124-3 : 1993, (BS7079: Part E3 : 1994).

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Mac'Ants Group, Todwick Road, Dinnington, Sheffield S25 3SE UK
Tel: +44 (0) 1909 552500 Fax : +44 (0) 1909 568726
Email: group@macants.co.uk www.macants.co.uk