Chilled Iron Grit – GH-K

Chilled iron grit is produced by the melting of cast iron with the subsequent atomisation and crushing of the grains. Due to the extreme hardness, the grain breaks into sharp-edged particles during the blasting process. This gives the operating mixture its permanently high cleaning and roughening properties.

Applications

- Reusable abrasive
- Rust removal
- Paint-stripping
- Roughening

Blasting systems

- Pressure blast systems
- Airless blast-cleaning equipment (Wear-resistance recommended)

Typical physical properties	
Hardness of the new grain	+/– 640 HV (56 HRC)
Grain shape	angular
Melting point	approx. 1535 °C
Density	approx. 7,0 g/cm^3
Bulk density depending on granular size	approx. 3,0 – 4,6 g/cm^3
Microstructure	martensitic

Typical chemical analysis	
C	2,80 – 3,20 %
Si	1,00 – 1,50 %
Mn	0,35 – 0,90 %
P	0,10 – 0,20 %
S	0,07 – 0,12 %
Fe	Remainder

Packaging
25 kg bags on pallet up to 1 ton
1 ton loose in big bag

Available sizes	
Description	**Average grain size (mm)**
G 02	0,1 – 0,2
G 05	0,1 – 0,3
G 07	0,2 – 0,4
G 12	0,3 – 0,6
G 17	0,4 – 0,8
G 24	0,6 – 1,0
G 34	0,8 – 1,2
G 39	1,0 – 1,4
G 47	1,2 – 1,7
G 55	1,4 – 2,0
G 66	1,7 – 2,4
G 80	2,0 – 2,8

Other grain sizes can be produced if required.

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