

AIRBLAST-ABRASIVES

Chilled Iron Grit



AIRBLAST



Product and Applications

Chilled iron is a hard abrasive making it suitable for etching purposes, but less resistant to impact. During the blasting process chilled iron breaks at an angle producing a permanent mixture of sharp grit with the ability to roughen up the hardest surface and clean quickly. It is suitable to be used in blast rooms for fast cleaning and edging but shouldn't be used in wheel blast machines, since it quickly wears down the machines parts.

Chemical composition

C	Si	Mn	P	S	Fe
2,90 - 3,40 %	0,8 - 1,50 %	0,30 - 1,00 %	< 0,35 %	< 0,17 %	> 93 %

Physical properties

Grain shape	:	angular
Hardness	:	≥ 56 HRC
Bulk density	:	3,0 to 5,0 g/cm ³
Microstructure	:	martensitic
Density	:	≥ 7.0 g/cm ³

Sizes

G80	2,00 - 2,80 mm	G24	0,60 - 1,00 mm
G66	1,70 - 2,40 mm	G17	0,42 - 0,85 mm
G55	1,40 - 2,00 mm	G12	0,30 - 0,71 mm
G47	1,20 - 1,70 mm	G07	0,18 - 0,42 mm
G39	1,00 - 1,40 mm	G05	0,12 - 0,30 mm
G34	0,85 - 1,20 mm	G02	≤ 0.13 mm

Other sizes on request.

Packaging

- 25 kgs. bags on EURO-pallet (max. 1000 kgs.)
- Other packaging upon request