



Chilled-iron grit abrasive

Designation:	Chilled-iron grit abrasive M/C/I/G.										
Quality:	In accordance with standard ISO 11124-2, metallic blast-cleaning abrasive. Grit particle shape. As to quality assurance the product is subjected to accurate control and continuous examination.										
Origin:	This blast-cleaning abrasive is obtained by crushing various chilled-iron shot sizes into sharp-edged angular particles.										
Properties:	Chilled-iron grit is a very hard material which retains its angular particle shape also during multiple use. At the edges partly compression may occur but no rounding of the particles.										
Hardness:	Rockwell 61 to 64 HRC, ± 3 HRC										
Densities:	Apparent density, determined by using vacuum approx. 7 g / cm ³ Bulk density for medium particle size range aprox. 3,8 g / m ³										
Chemical analysis: (Approximate Values)	<table border="0"> <tr> <td>Carbon C</td> <td>3,00 % to 3,20 %</td> </tr> <tr> <td>Manganese Mn</td> <td>0,30 % to 1,00 %</td> </tr> <tr> <td>Silicon Si</td> <td>1,00 % to 1,50 %</td> </tr> <tr> <td>Phosphorus P</td> <td>0,10 % to 0,60 %</td> </tr> <tr> <td>Sulfur S</td> <td>0,07 % to 0,17 %</td> </tr> </table>	Carbon C	3,00 % to 3,20 %	Manganese Mn	0,30 % to 1,00 %	Silicon Si	1,00 % to 1,50 %	Phosphorus P	0,10 % to 0,60 %	Sulfur S	0,07 % to 0,17 %
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Free silica:	Not detectable.										
Health and Safety regulations:	All legal regulations are complied with. The respective limits remain under those laid down in BGR 500 Kap. 2.2 respectively. (EC Law) No specific regulations regarding storage in the state of delivery are to be observed.										
Applicability:	Chilled-iron grit is used in equipment for dry abrasive blast-cleaning, among others for descaling, derusting, deburring and roughening of surfaces.										

Please contact us for more information:

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Standard particle sizes:	G05	=	0,16 to 0,30 mm
	G07	=	0,20 to 0,60 mm
	G12	=	0,30 to 0,60 mm
	G17	=	0,40 to 0,80 mm
	G24	=	0,60 to 1,00 mm
	G34	=	0,80 to 1,25 mm
	G39	=	0,80 to 1,40 mm
	G47	=	1,00 to 1,60 mm
	G55	=	1,25 to 2,00 mm

Forms of supply: Packed ready for use in plastic bags each of 25 kg gross for net on pallets, with enclosing carton with hood.

Supply from our warehouse in Hamburg.

Blast-cleaning technique and particle size range selection: The great hardness and brittleness of chilled-iron from which **Chilled-iron grit** is obtained lead to fatigue fracture which in turn promote the formation of an optimum blast-cleaning abrasive mixture. The particle size distribution is to be determined by the user, depending on the individual blast-cleaning purpose and the condition of the surface to be blast-cleaned.

The choice of the particle size also depends on the diameter of the nozzle and other values, for example the specified surface profile (roughness).

Waste management: **Chilled-iron grit** will be taken back by us against payment after prescribed use, for utilization in accordance with the German Kreislaufwirtschafts- und Abfallgesetz (Business cycle and waste law) from 1994-09-27. Procedures are approved by authorities.

Note: Please note that all statements made on **Chilled-iron grit** are only valid during its original condition.

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