

**CDS CONSULTANTS**  
**Corrosion Control Equipment & Abrasives**

Bwlch Tocyn Farmhouse  
 Bwlch Tocyn, Abersoch  
 Pwllheli,  
 Gwynedd LL53 7BN  
 Tel: 01758 712245  
 Fax: 01758 712014  
 Mobile: 07887 513614  
 Email: Cdsconsultants@btinternet.com

<b>TECHNICAL DATA SHEET</b>						
<b>1. PRODUCT NAME</b>			CDS Reference			
<i>Chilled Iron Grit</i>			CI			
<b>2. MAIN INTENDED USE</b>						
A very sharp, angular and long lasting media, for use on steel fabrications and ferrous castings. Each pass of the media results in a fresh cutting edge and provides a deep etch on the components. Can also be used where ferrous contamination on the component(s) is not critical.						
<b>3. CHEMICAL ANALYSIS</b>						
Typical chemical analysis, of a random sample. Major element being Iron (Fe).						
<u>Compound/Element</u>	<u>Chemical Formula</u>	<u>Typical Content</u>				
Carbon	C	02.50 – 3.00%				
Silicon	Si	01.40 – 01.80%				
Sulphur	S	00.15 – 00.20%				
Phosphorus	Ph	00.50 – 01.00%				
Manganese	Mn	00.30 – 00.50%				
<b>4. PHYSICAL PROPERTIES</b>		a. Bulk Density Untamped		7.00 g/cm <sup>3</sup>		
		b. Shape		Angular		
		c. Colour		Silvery Grey		
		d. Specific Gravity		N/A		
		e. Hardness		750 HV min (Hardness Vickers)		
<b>5. SIZE RANGE AVAILABLE</b>						
<b>Grade</b>	<b>G80</b>	<b>G66</b>	<b>G55</b>	<b>G47</b>	<b>G39</b>	<b>G34</b>
<b>Product Size (mm)</b>	2.00 – 2.80	1.70 – 2.40	1.40 – 2.00	1.20 – 1.70	1.00 – 1.40	0.85 – 1.20
<b>Grade</b>	<b>G24</b>	<b>G17</b>	<b>G12</b>	<b>G07</b>	<b>G05</b>	<b>G02</b>
<b>Product Size (mm)</b>	0.60 – 1.00	0.42 – 0.85	0.30 – 0.71	0.18 – 0.42	0.12 – 0.30	0.13

Minimum percentage of media between sizes shown varies from 60% to 100% subject to particular grade, further details on request.

**Conversion of sizing standards to ISO 11124 as follows:**

ISO 1124-2	G240	G200	G170	G140	G120	G100	-	G070	G050	G030	G020	G010	G005
CDS	G80	G66	G55	G47	G39	G34	G24	G17	G12	G07	G05	G02	G02
Ref/BS2451													

**6 PACKAGING**

Packed in 25 kg polypropylene bags with a plastic liner