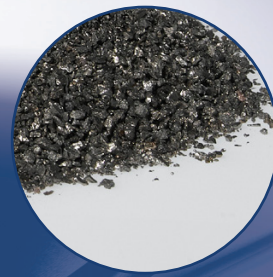
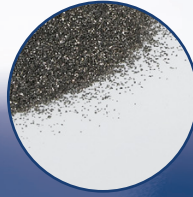


# DURAMET

## SPECIAL MILLED FERRO SILICON



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### Washington Mills AS

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Orkanger, Norway

Email: wmas@washingtonmills.no

## DESCRIPTION

DURAMET is a magnetic ferro silicon produced in electric arc furnaces and subsequently milled to size ranges required. In addition, DURAMET contains aluminum and titanium which enhances its resistance to corrosion.

## APPLICATIONS

DURAMET is used in slurry density applications for heavy media separation and sink-float processes. DURAMET is an accepted medium for the gravity separation of minerals, aggregates and metals with a specific gravity of approximately 2.0 to 4.0.

## TYPICAL CHEMICAL ANALYSIS

Si	15%
Ti	5%
Al	1%
Fe	79%

## TYPICAL PHYSICAL PROPERTIES

Specific Gravity	6.70 g/cc
Non-Magnetics	Verified by Davis Tube
Magnetic Susceptibility	Verified by Satmagan Magnetic Balance
Bulk Density	ANSI Method B74.4 (2.8 to 3.5 g/cc) 1988

## SIZES AVAILABLE

48 Mesh, 65 Mesh, 100 Mesh, 200 Mesh

48 Hi D, 65 Hi D, 100 Hi D

48 D, 65 D, 100 D, 150 D, 270 D, 270 F

## PACKAGING

Steel Drums	551 lb. each
Bulk Bags	2205 lb. each
Bulk Bags	4410 lb. each

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.

updated 5-15

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# DURAMET

## SPECIAL MILLED FERRO SILICON (PG.2)

### TYPICAL BULK DENSITY (G/CC)

Size/Mesh	Bulk Density
48 MESH	3.2
65 MESH	3.2
100 MESH	3.2
200 MESH	2.9
48 Hi D	3.5
65 Hi D	3.3
100 Hi D	3.3
48 D	3.1
65 D	3.0
100 D	3.0
150 D	2.9
270 D	2.8
270 F	2.8

### SIZE SPECIFICATION (WEIGHT %)

Size/Mesh	+48	+65	+100	+150	+200	+325	-325
48 MESH	0-6	0-8	6-14	14-22	17-25	22-30	14-22
65 MESH	0-4	0-6	3-11	11-19	15-23	25-33	23-31
100 MESH	0-2	0-4	0-6	5-13	12-20	29-37	32-40
200 MESH	0	0-2	0-2	0-4	4-12	30-38	50-58
48 Hi D	0-5	0-7	4-16	12-24	14-26	17-29	15-27
65 Hi D	0-3	0-5	0-12	9-21	12-24	21-33	24-36
100 Hi D	0-1	0-3	0-6	0-12	9-21	29-41	33-45
48 D	0	0-2	1-9	10-18	14-22	27-35	27-35
65 D	0	0	0-2	0-6	4-15	29-42	47-55
100 D	0	0	0-2	0-3	0-7	25-33	61-69
150 D	0	0	0-1	0-1	0-4	16-24	73-81
270 D	0	0	0	0-1	0-3	5-13	85-93
270 F	0	0	0	0-1	0-2	6-9	90-95

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