

## Ferro Alloys

<b>Material Description:</b>	<b>Standard Ferromanganese (H.C. FeMn)</b>
Chemistry:	
Mn	74.0-82.0%
C	7.5% max.
Si	1.2% max.
P	0.35% max.
S	0.05% max.
Size:	
3" x 1"	3/8" x 12 Mesh
4" x 1"	3/8" x Down
6" x 4"	2" x 1/2"
<b>Customized sizing available upon request.</b>	
Bulk Density:	260 lb./cu. ft.
Apparent Density:	7.2 gm/cubic centimeter
Approximate Melting Range:	2310 °F Liquidus 2100 °F Solidus
Application:	In cast iron, manganese is used mainly to counteract the bad effects of sulfur. In steel, manganese acts as a deoxidizer and combines with sulfur, thereby improving the hot-working properties of the steel. Also improves the strength, toughness.

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