

## FERRO SILICON MAGNESIUM

| GRADE                      | Si (%)  | Mg (%)     | TRE (%)         | Ca (%)      | Al (%)     |
|----------------------------|---------|------------|-----------------|-------------|------------|
| 09 - 11                    | 43 - 50 | 9.0 - 11.0 | 0.8 - 1.2       | 0.8 - 1.5   | 1 MAX      |
| 08 - 10 (HiMag)            | 43 - 48 | 9.0 - 11.0 | 3.0 - 4.0       | 3.0 - 4.0   | 1 MAX      |
| 08 - 10                    | 44 - 48 | 8.0 - 10.0 | 0.8 - 1.0       | 3.0 - 3.2   | 1 MAX      |
| 08 - 10                    | 43 - 48 | 8.0 - 10.0 | 1.0 - 2.0       | 1.0 - 2.0   | 1 MAX      |
| 07 - 08                    | 44 - 48 | 7.0 - 8.0  | 0.3 MAX         | 1.8 - 2.0   | 1 MAX      |
| 06 - 07                    | 44 - 48 | 6.5 - 7.5  | 0.8 - 1.0       | 2.5 - 3.0   | 1 MAX      |
| 06 - 07                    | 43 - 48 | 6.5 - 7.0  | 2.2 - 2.6       | 2.2 - 2.6   | 1 MAX      |
| 06 - 07                    | 43 - 48 | 6.0 - 7.0  | 0.5 - 1.0       | 3.0 - 4.0   | 1 MAX      |
| 06 - 07                    | 43 - 48 | 6.0 - 7.0  | 1.5 - 2.0       | 1.5 - 2.0   | 1 MAX      |
| 06 - 07                    | 43 - 48 | 6.0 - 7.0  | 1.5 - 2.0       | 0.5 - 1.0   | 1 MAX      |
| 06 - 07                    | 43 - 47 | 6.0 - 7.0  | 0.8 - 1.2       | 0.7 - 1.1   | 0.2 MAX    |
| 05 - 07                    | 43 - 48 | 5.0 - 7.0  | 1.0 - 2.0       | 1.0 - 2.0   | 1 MAX      |
| 05 - 06                    | 44 - 48 | 5.5 - 6.5  | 1.6 - 2.4       | 1.7 - 2.3   | 1.0 - 1.25 |
| 05 - 06                    | 44 - 48 | 5.5 - 6.5  | 0.8 - 1.2       | 0.8 - 1.2   | 0.4 - 1.0  |
| 05 - 06                    | 44 - 48 | 5.5 - 6.5  | 0.4 - 0.6       | 0.5 - 1.0   | 1 MAX      |
| 05 - 06                    | 44 - 48 | 5.6 - 6.3  | 0.6 - 1.0       | 1.5 - 2.0   | 1 MAX      |
| 05 - 06                    | 44 - 48 | 5.5 - 6.2  | 0.8 - 1.2       | 0.8 - 1.2   | 1 MAX      |
| 05 - 06                    | 43 - 48 | 5.5 - 6.1  | 1.5 - 2.25      | 0.9 - 1.2   | 0.3 MAX    |
| 05 - 06                    | 43 - 48 | 5.5 - 6.1  | 1.5 - 2.25      | 0.9 - 1.2   | 0.3 MAX    |
| 05 - 06                    | 43 - 48 | 5.5 - 6.0  | 0.9 - 1.2       | 0.75 - 1.1  | 0.2 - 1.2  |
| 05 - 06                    | 43 - 48 | 5.0 - 6.0  | 2.2 - 2.6       | 2.2 - 2.6   | 1 MAX      |
| 05 - 06                    | 44 - 48 | 5.0 - 6.0  | 0.35 - 0.65     | 0.8 - 1.2   | 1 MAX      |
| 05 - 06                    | 44 - 47 | 5.0 - 5.5  | 1.8 - 2.2       | 1.8 - 2.2   | 0.2 MAX    |
| 05 - 06                    | 45 - 50 | 5.1 - 5.4  | 1.5 - 2.0       | 1.5 - 2.5   | 0.6 - 1.0  |
| 05 - 06                    | 45 - 50 | 5.0 - 5.4  | 1.5 - 2.5       | 1.5 - 2.0   | 0.6 - 1.0  |
| 04 - 06                    | 43 - 48 | 4.0 - 6.0  | 1.0 - 2.0       | 1.0 - 2.0   | 1 MAX      |
| 04 - 05                    | 44 - 46 | 4.8 - 5.2  | 1.5 - 2.0       | 1.5 - 2.0   | 0.6 - 1.0  |
| SNAM CGMG<br>(For CG Iron) | 43 - 48 | 5.5 - 6.5  | 5.0 - 6.0       | 1.75 - 2.25 | 1 MAX      |
| SNAM LAMG                  | 43 - 48 | 5.0 - 6.0  | La = 0.5 - 0.75 | 0.8 - 1.2   | 1 MAX      |

**Note :** Ferro Silicon Magnesium Alloy with other specifications may also be supplied.

**Standard sizes :** 4 - 32mm, 15 - 25mm, 5 - 15 mm, 5 - 20 mm, 5 - 25 mm, 2 - 20 mm & 1 - 6 mm  
Can also supply according to customer's requirement.

**Standard Packing :** 25 Kgs. Bags, 50 Kgs Bags, 100 Kgs Drums, 100 Kgs Bags, 250 Kgs Drums, 1000 Kgs Bags.  
Can also supply according to customer's requirement.

Snam Alloys produces high quality nodulising agents which are Ferro Silicon based alloys with magnesium and other active ingredients. They find wide applications in the production of SG Iron and speciality grey iron castings for automobile industry.

The use of these nodulising alloys provides a number of distinct advantages in the nodularisation of ductile iron. These include.

- Higher quality castings through maximum nucleation and improved graphic nodularity
- Fewer as-cast carbides in thin section castings for improved machinability and reduced heat treatment costs.
- Precise control of rare earth levels with a single alloy addition.
- Higher levels of ferrite and lower hardness for a given composition and section size.
- Greater tolerance to slightly higher levels of pearlite promoting residual elements

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