

## TECHNICAL DATA

# IM 22



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## For Grey and Ductile Iron

### Chemical Analysis:

Silicon	60	-	67%
Calcium	1	-	1.5 %
Barium	1.8	-	3.0 %
Zirconium	5	-	8%
Manganese	5	-	8%
Aluminium	2%		max

**Melting range:** 1280 ÷ 1320°C

**Sizing Mesh Tyler:** 100 x 28M  
28 x 6M  
6x 4M

IM 22 is a strong antichilling material for its content of strong graphitizing elements such as Zirconium, Calcium, Barium, besides Silicon, that in the presence of Sulphur has a strong inoculant effect. In this way, texture is refined to promote a larger number of eutectic cells, This is true also for Barium, which causes fading delay effects. Barium added to Calcium, enlarge the temperature range of this inoculant performance. It gives excellent results, in cost, regarding thin walls or those containing strong chilling elements.

Nowadays, concerning regarding contamination for undesirable elements is increasing. Our IM22 is produced in submerged arc furnaces where charcoal and iron ore are used respectively, as a reductor agent and source of Fe elements. Therefore, residual levels of undesirable elements are very low.