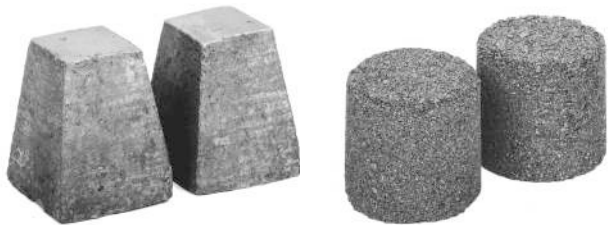
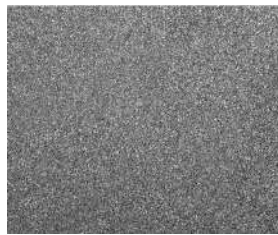


INOCULANTS for graphitizing treatment of iron

Inoculant	Chemical compound,%	Application
SIBAR®2, SIBAR®2S, SIBAR®4, SIBAR®7 (Ferro Silicon Barium)	Si – 65-75 Ca, Ba	Ferro Silicon Barium inoculant is used for graphitizing treatment (including late inoculation) of cast iron/nodular iron to prevent cementite formation, to increase the crystallization nucleus.
INSERTS (solid or molded briquette): INOCSIL®- SMG	Si – 70-76 Mn – 3,5-4,5	Inoculant is used for late inoculation treatment in mold/ in pouring cup, pouring gate system: - to prevent cementite formation, - to increase the crystallization nucleuses to make the structure of irons more uniform in cross-sections of castings having uneven wall thicknesses.
INSERTS (solid or molded briquette): INOCSIL®- S	Si – 70-78 Al – 3,2-4,5	
Si-extra®-S, Si-extra®-ZS ZIRCALLOY® ZIRCALLOY®Super	Si – 70-80 Sr, Zr	Ferro Silicon Stroncium/Zirconium inoculant is used for graphitizing treatment (including late inoculation) of cast iron/nodular iron: - to prevent cementite formation, - to increase the crystallization nucleuses - to reduce the likelihood of appearance of gas- and shrinkage-related porosity defects; - to improve the mechanical properties of irons; to make the structure of irons more uniform in cross-sections of castings having uneven wall thicknesses.
ZGRAPH® -TM	Si – 63-67 Mn, Zr, Ba	Inoculant with Manganese and Zirconium for manufacturing of pearlite gray iron.
ZGRAPH® -R	Si – 50-60 Mn, Zr, REM	Inoculant with Manganese, Zirconium and rare earth metals for manufacturing of wear resistant cast iron.



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