

INOCSIL[®] F AND Z-GRAPH[®] F INOCULATING ELEMENTS FOR IN-MOLD MELT TREATMENT

These efficient inoculating elements are used for in-mold melt treatment to produce grey and ductile irons. They are introduced into the gating system of a mold. The Z-GRAPH[®] F inoculating element is used when castings have chilling tendency.

Using these inoculants for in-mold melt treatment makes it possible to solve the following objectives:

- to formation of cementite in the structure of iron castings
- to improve the mechanical properties of irons
- to make the structure of irons more uniform in sections of castings having uneven wall thicknesses
- to form additional centers of crystallization

These inoculating elements have the following distinctive features:

- active dissolution in irons at low temperatures due to their chemical composition
- user-friendly as they have fixed weights and dimensions adapted to customers' gating systems
- the method used for their manufacture makes it possible to ensure the required concentrations of active elements
- consumed much more economically as compared to inoculants in crushed form used for ladle treatment



Inoculating elements