



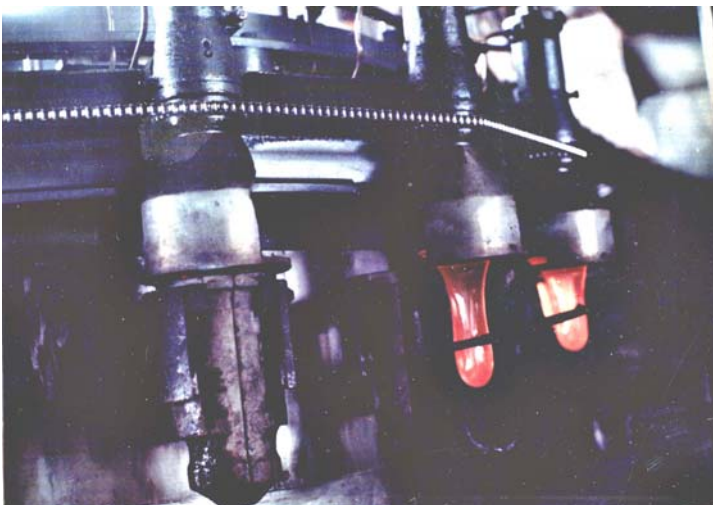
Modified low-alloyed cast iron for heat-resistant glass forms

Cast iron provides:

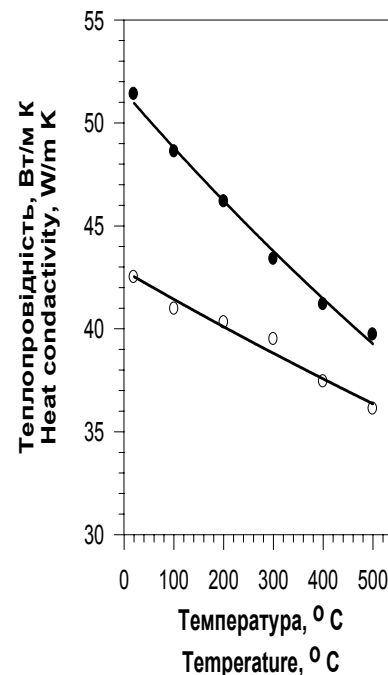
- inactivity to molten glass mass in temperature interval from 1100-1200 °C up to 700°C;
- ability for polishing;
- optimal heat resistance in conditions of durational thermocyclical;
- high strength under high temperatures:
 - ($\sigma_B = 140 - 160 \text{ MPa}$ до 600°C)
- hardness index 160-230 HB;
- optimal heat conductivity.

Working layer of glass form contacting with glass mass has up to 56 W/m·K, which is 25-35% higher than heat conductivity of high-quality gray irons.

Developed technology provides melting of cast iron in electric furnace or cupola furnace, its modifying and thermal treatment.



Heat conductivity of glass forms cast iron in comparison with grey iron



- Високоякісний сірий чавун (usseal high quality cast iron)
- Чавун для склоформ (cast iron for glas form)

Adjusts in time of manufacturing of glass forms for individual production, and also for the conveyer production of glassworks.