



GFN-1 Flux

Product Description

GFN-1 Flux is a simply-formulated ladle additive designed to provide an economical means of cleansing iron and minimizing inclusion defects caused by dross and slag entrapment. This product is a fluoride-based, granular flux which when used in small amounts in gray and ductile iron fluidizes oxide and sulfide reaction products, increases metal fluidity, and reduces slag build-up in ladles and ductile iron treatment chambers.

Application

GFN-1 Flux contains the nucleating and graphitizing elements of silicon and calcium and as such may be used in conjunction with or in addition to the standard post-inoculant in use. In gray iron, recommended addition levels are 0.025 – 0.030% (0.5 to 0.6 lbs/ton) based on iron treated. For ductile iron, a level of 0.045 – 0.055% (0.90 to 1.10 lbs/ton is recommended).

Chemical Analysis

Property	Value
Silicon (Si)	44 to 48%
Calcium (Ca)	12 to 16%
F and Iron	Balance

Physical Properties

Property	Value
Screen size	20m x D
Bulk density	Approximately 115 lbs/cu.ft.

Packaging

- Loose – 100 and 600 lb. drums
- Prepackaged – 0.5 lb., 1.0 lb., and 1.5 lb. poly-bags

All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. NEITHER MINERALS TECHNOLOGIES NOR ANY OF ITS AFFILIATES MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in the buyer’s purchase order shall not be binding on MINERALS TECHNOLOGIES unless reflected in writing signed by MINERALS TECHNOLOGIES’ representative. The information contained herein is not to be copied or otherwise used in any publication in whole or in part, without written permission from MINERALS TECHNOLOGIES.