



GS ASSOCIATES

An ISO 9001:2015 Company

PRODUCT DATA SHEET

HPF I

BENEFITS AND FEATURES

HPF I is a high-performance flour blend for Investment Casting Intermediate and back-up slurries.

Slurries made with POLYBOND Backup and HPF I have the following benefits:

- Excellent slurry for transition dips to eliminate scabbing and spalling in parts prone to such defects.
- Provides optimized shell building for challenging geometries and parts with deep cavities, that are difficult to fill and dry.
- Excellent slurry rheology with optimized drain times and fast drying to increase the foundry output.
- Optimized shell build for uniform coverage of corners and edges, without sacrificing the flow needed to fill slots and holes in difficult castings.
- Designed to reduce non-fills and improve shell permeability & knockout.

GENERAL DESCRIPTION

HPF I is a Fused Silica based blended flour and has the following properties:

Very low coefficient of thermal expansion & Low thermal conductivity
Superior Heat Resistance & Chemical Resistance
Pure (high SiO₂ content, low Fe, Na, K & Ti)
Consistent Chemistry
Crystallinity (Quartz+Tridymite+Cristoblite) 0.1% Max.

*S.F.No.117/1. Shed No: 1-288/4. Rayakottai Road, Omalvadi Village & Post. #OSUR 635109.
TAMIL NADU STATE*



GS ASSOCIATES

An ISO 9001:2015 Company

HANDLING AND STORAGE

Proper protective equipment such as goggles and dust mask should be worn while handling the product.

Bags should be stored in a dry location protected from the elements. Typical shelf life of HPF I is two years.

PACKING

HPF I is packed and dispatched in 25 kg lined, woven polypropylene bags.

REMARKS

More information about the product and its usage can be provided by our technical support team. Contact us at sales@gs-associates.in