



GS ASSOCIATES

An ISO 9001:2015 Company

PRODUCT DATA SHEET

POLYBOND Backup

BENEFITS AND FEATURES

Polybond Backup is a polymer enhanced binder formulation for Intermediate and Backup slurry for Investment Castings. Slurry made with Polybond have the following benefits:

- Formulated to provide excellent slurry stability.
- Formulated to quickly build strong shells.
- In combination with our blended flours it is possible to build shells with fewer number of coats.
- Polymer for increased shell strength for handling in green stage.
- Faster drying.

GENERAL DESCRIPTION

POLYBOND Backup is a stable aqueous dispersion of amorphous colloidal silica particles.

Typical properties of POLYBOND Backup are:

| | |
|-------------------------|----------------|
| Silica Content | 25.00 – 30.00% |
| Specific Gravity @ 25°C | 1.174 - 1.204 |
| pH @ 25°C | 9.5 – 10.5 |

*S.F.No.117/1, Shed No: 1-288/4, Rayakottai Road, Omalvadi Village & Post, HOSUR 635109,
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HANDLING AND STORAGE

Proper protective equipment such as rubber gloves and goggles should be worn while handling the product. Typical shelf life is one year in covered store area, where temperature is maintained below 30°C.

Some separation may occur on long storage, due to density difference between colloidal silica and the polymer. The Binder should be agitated prior to use.

MATERIALS COMPATIBILITY

POLYBOND Backup is compatible with Stainless Steel, PVC, Teflon, Polyethylene, and Polypropylene.

SHIPPING

POLYBOND Backup is shipped in 250 kg HM-HDPE drums.

REMARKS

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

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