



GS ASSOCIATES

An ISO 9001:2015 Company

PRODUCT DATA SHEET

POLYBOND Prime

BENEFITS AND FEATURES

Polybond Prime is a polymer enhanced binder formulation for prime coat slurry for Investment Castings. Slurry made with Polybond Prime have the following benefits:

- Formulated to provide excellent slurry stability for slurries with low turnover.
- Provides improved slurry rheology and flexibility.
- High adhesion polymer with thixotropic characteristics.
- Faster drying.

GENERAL DESCRIPTION

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

Typical properties of POLYBOND PRIME are:

Silica Content	27 - 29%
Specific Gravity @ 25°C	1.17 - 1.20
pH @ 25°C	9.5 - 10.5

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.

Some separation may occur with polymer enhanced colloidal silica on long storage. Agitation is recommended prior to use.



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MATERIALS COMPATIBILITY

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

PACKING

POLYBOND Prime is shipped in 60 kg and 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