



FUSED SILICA ADVANCED SHELL SYSTEM GM2

INTRODUCTION

Christy Minerals Fused Silica Advanced Shell Systems GM2 is a high-performance, fiber-based flour blend for investment casting backup slurries. GM2 is a dry blend of fused silica and high-performance additives jointly developed by Christy Minerals and Nalco. It offers increased shell build which, coupled with improved permeability, can help remove dips and minimize autoclave shell cracking.

Because each foundry has different requirements, GM2 is engineered with built-in flexibility and the slurry viscosity can be adjusted for specific application needs. We will collaborate with you to optimize the application of GM2 for your process.

GM2 is packaged in 55 lbs. (25 kg) paper bags or 2,200 lbs. (1,000 kg) tote sacks.

FEATURES AND BENEFITS

- Improved permeability to help reduce non-fill and autoclave cracking
- Fiber-based shell system for thicker and faster shell build to help reduce coats
- Improved knock out for easier shell removal
- Unique slurry rheology substantially shortens drain times to increase foundry output
- Optimized shell build for uniform coverage of corners and edges
- Improved load carrying ability and strong laminar shell to reduce handling damage and cracking

FUSED SILICA FOR INVESTMENT CASTING SHELLS

We supply high purity fused silica flour and advanced shell system flour blends that are used in investment casting shells. Our revolutionary furnace design helps prevent the raw silica sand from becoming contaminated during processing – resulting in a finished product that is 99.6% pure, while increasing productivity tenfold over conventional furnaces. Christy Minerals Fused Silica Flours and Grains are optimized for consistency from batch to batch, to help you produce components with a high degree of dimensional accuracy. Christy Minerals fused silica products are available in both standard and custom particle sizes and distributions, and our experts will collaborate with you to optimize your application. In addition, we can provide traceability data throughout our process, from the arrival of the high-purity sand at our facility to each bag of finished fused silica in your inventory.

PRODUCT STORAGE AND SAFETY

Storage: Store in a dry location and protect from the elements. Store away from oxidizing agents. See the product Safety Data Sheet (SDS) for additional information.

Safety: See product SDS for additional information.



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