



INSULATION SPECIALTIES OF AMERICA INC.

ISAFORM 2600

ISAFORM is vacuum formed high temperature refractory ceramic fiberboard made from alumina-silica fibers and binders. All ISAFORM products offer high temperature stability, uniform density, low thermal conductivity, and excellent resistance to thermal shock. In order to provide handling strength for the ISAFORM during manufacturing as well as during installation, small quantities of organic and inorganic binders are added to the formulation. The organic binders will burn out between 400-500^oF during the initial heat up by the end user of the product, causing the material to become brownish in color and give off a slight odor. Upon completion of the burnout the boards will be odorless and white in color.

| PHYSICAL PROPERTIES | LD | MD | HD |
|---|---|---|---|
| Color Before Firing | Cream | Cream | Cream |
| Color After Firing | White | White | White |
| Temperature Maximum | 2600 ^o F (1427 ^o C) | 2600 ^o F (1427 ^o C) | 2600 ^o F (1427 ^o C) |
| Recommended Operating Temp. | 2450 ^o F (1343 ^o C) | 2450 ^o F (1343 ^o C) | 2450 ^o F (1343 ^o C) |
| Melting Point | 3300 ^o F (1816 ^o C) | 3300 ^o F (1816 ^o C) | 3300 ^o F (1816 ^o C) |
| Nominal Density lb/ft ³ | 14-16 | 18-22 | 23-28 |
| Chemical Composition | | | |
| Al ₂ O ₃ | 65-75% | 65-75% | 65-75% |
| SiO ₂ | 28-32% | 28-32% | 28-32% |
| LOI (% by Weight) | 5-7% | 5-7% | 5-7% |
| Typical Shrinkage (%) 24 HRS @ 2000 ^o F | <2% | <2% | <2% |
| MOR, PSI | | | |
| Green (typical) | 100 | 125 | 150 |
| Fired (typical) | 65 | 65 | 65 |

APPLICATIONS:

1. Back-Up for Brick Castables
2. Gaskets and Seals
3. Molten Metals Conveying
4. Low & High Temp Dryer Linings
5. Hot Gas Duct Linings
6. Combustion Chambers
7. Heat Shields

Data is based on average properties and is presented for general reference only. This information should not be used for specification purposes – no warranty is expressed or implied.