



INSULATION SPECIALTIES OF AMERICA INC.

ISAFORM 2100

ISAFORM 2100 is vacuum formed high temperature shapes made from a blend of mineral wool, ceramic fiber 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 2100 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 product will be odorless and light gray in color.

PHYSICAL PROPERTIES

Color Before Firing	Light Gray
Color After Firing	Light Gray
Temperature Maximum	2100°F (1149°C)
Continuous Use	1800°F (982°C)
Melting Point	>2300°F (1260°C)
Nominal Density lb/ft ³	12-15
Chemical Composition	
SiO ₂	40-50%
CaO	15-25%
Al ₂ O ₃	20-25%
MgO	6-10%
LOI (% by Weight)	4-6%
Typical Shrinkage (%) 24HRS @ 2000 ^o F	<5%
MOR, PSI	
Green (typical)	125
Fired (typical)	65

APPLICATIONS:

- | | |
|------------------------|--------------------------------|
| 1. Tap Out Cones | 3. Ladle Covers |
| 2. Gaskets and Seals | 4. Back-UP Dryer Linings |
| 5. Combustion Chambers | 6. Back-UP for Brick Castables |

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.