

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

DRI-VIBE® 682A

General Information

DRI-VIBE® 682A is a fused alumina-based dry vibratable refractory designed for lining coreless induction furnaces melting a wide range of carbon, stainless, and high-alloy steels. DRI-VIBE 682A is best suited for use at tap temperatures ranging from 1650°C to 1760°C (3000°F to 3200°F). This product offers the following benefits and features:

- > Completely dry
- > Spinel bond for high temperature thermal stability and strength
- > Excellent resistance to chemical attack

Technical Data

Chemical Analysis

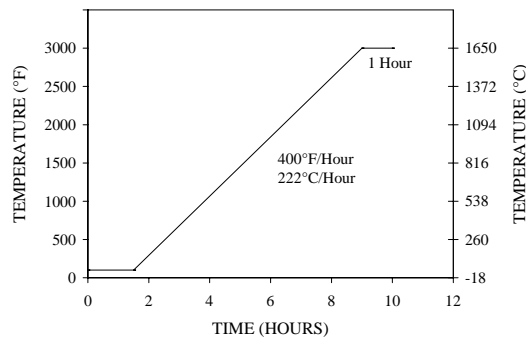
(Major Components)

Al ₂ O ₃	84.1%
MgO	15.0%
CaO	0.3%
SiO ₂	0.2%
Fe ₂ O ₃	0.1%

Material Required	3.14 g/cm ³ (196 lbs/ft ³)
Grain Size.....	7 mm (3 mesh) and finer
Practical Temperature Limit	1815°C (3300°F)
Minimum Use Temperature	1593°C (2900°F)
Installation Method	Dry ram or vibrate
Procedure(s)	CL-1, CL-4, CL-14

Packaged in 25 kg (55-lb.) multi-wall paper bags. Palletized 64 bags (1600 kgs or 3520 lbs.) per 42" x 42" pallet, protected with stretch wrap. Storage beyond 12 months is not recommended. Store in a dry location to avoid moisture pickup.

Sintering Schedule for Coreless Furnace Linings
Using a Consumable form



Sintering Data

Final Hold Temperature: 1650°C (3000°F)
Sinter Rate: 222°C (400°F)/Hour

Allied Mineral Products, Inc. supplies an entire line of monolithic refractories for the metals industry. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

Warning: Contains aluminum oxide, magnesium oxide, aluminosilicates, and silica. The International Agency for Research on Cancer (IARC) has classified crystalline silica inhaled in the form of quartz or cristobalite carcinogenic to humans. Refer to Material Safety Data Sheet for additional information and disposal instructions. Wear NIOSH approved respirator during installation, removal, and disposal of product to prevent inhalation of dust. In case of eye contact, flush immediately and repeatedly with water and consult a physician. For safest use and optimum performance, proper practices must be followed.

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