



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

THERMOSEAL® M44 MOLDABLE

THERMOSEAL® M44 Moldable is a high temperature resistant refractory material designed for a wide variety of applications. THERMOSEAL® M44 Moldable can be formed into shapes such as fireplace logs and lightweight refractory shapes, used for refractory lining repair, or layered over existing refractory as surface coating.



AVERAGE PHYSICAL PROPERTIES

Description	Moldable
Consistency	Sticky Putty
Color, wet	Off-White
Use Limit	2300°F • 1260°C
Linear Shrinkage, %	< 2.5 @ 1830°F • 1000°C
Wet Density, lbs/ft ³	86
Dry Density, lbs/ft ³	49 @ 250°F • 120°C
Fired Density, lbs/ft ³	51 @ 1830°F • 1000°C
Solid Content, %, wet	59
Silica, % fired	78
Alumina, % fired	22

Tolerance is +/- 10% unless otherwise stated.

APPLICATION Use THERMOSEAL® Moldable as packaged. This can be applied and smoothed with a spatula and trowels. Gloves should be worn when hand applying. Air-dry or force dry below 300°F • 150°C for approximately six to eight hours per inch of thickness.

USES - Trough linings for molten metal transfer, high temperature sealing and coating, light weight refractory shape manufacture, trough coating and patching, and furnace patching.

PACKAGING THERMOSEAL® Moldables are available in 11 oz. caulking tubes, one and five gallon buckets, and 55 gallon drums. Do NOT allow THERMOSEAL® Moldables to freeze.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

Rev.5.2-18.2019