



THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

THERMOSEAL® M44 NON-WETTING MOLDABLE

THERMOSEAL® M44 Non-Wetting Moldable is comprised of bulk refractory fibers that form a non-sticky putty excellent for use as a high temperature binder and filler system. This moldable is particularly good for use as sealing, coating and patching material for furnaces and troughs. Resistant to the attack of molten metal alloys, these moldables are also unaffected by thermal shock and have very low heat transfer and thermal conductivity. In addition, THERMOSEAL® M44 Moldable has excellent insulation properties, high strength, and very low shrinkage.



AVERAGE PHYSICAL PROPERTIES

Color	Light Brown
Use Limit	1830°F • 1000°C
Linear Shrinkage %, 24 hours	<2.5 @ 1830°F • 1000°C
Aluminum Cup Test 7075 Alloy	No Penetration
Wet Density, lbs/ft ³	74.80
Dry Density, lbs/ft ³ (Fired)	44.8 (42)
Modules of Rupture, lbs/in ²	500 dried / 450 fired
Solid Content, %, wet	65
Silica, % fired	70
Alumina, % fired	15 - 20
Loss on ignition, %	35

Tolerance is +/- 10% unless otherwise stated.

APPLICATION Use THERMOSEAL® Non-Wetting 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.

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

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