



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

THERMOSEAL® NON-WETTING MOLDABLE

THERMOSEAL® Non-wetting Moldables are 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 aluminum alloys, THERMOSEAL® Non-wetting Moldables are also unaffected by thermal shock and have very low heat transfer and thermal conductivity. In addition, these moldables have excellent insulation properties, high strength, and very low shrinkage.

AVERAGE PHYSICAL PROPERTIES

	M44	M75
Color	Light brown	Off-white
Use Limit, °F • °C	1830 • 1000	1830 • 1000
Linear Shrinkage %, 24 hrs. Soak, 1830°F • 1000°C	<2.5%	<2.5%
Aluminum Cup Test 7075 Alloy	No Penetration	No Penetration
Wet Density, lbs/cu ft	100 +/- 10%	110 +/- 10%
Fired Density, lbs/cu ft	55 +/- 10%	65 +/- 10%
Modules of Rupture, lbs/sq in	500 +/- 10% (Dried) 450 +/- 10% (Fired)	600 +/- 10% (Dried) 500 +/- 10% (Fired)
Solid Content %, wet	65 +/- 10%	60 +/- 10%
Silica, % fired	70 +/- 10%	75 +/- 10%
Alumina, % fired	15-20	20-25
Loss on Ignition %	35 +/- 10%	40 +/- 10%

APPLICATION

Use THERMOSEAL® Non-wetting Moldable as packaged. This can be applied and smoothed with 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 Moldable is available in one gallon, and five gallon buckets, and 55-gallon drums. They are also available in 11oz caulking tubes. DO NOT allow THERMOSEAL® Non-wetting Moldable 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.