

# 3000°F THERMAL INSULATION

## Thermal Stop Insulation - Wrap-It Moldable Sheets

### Thermal Stop Super Efficient 2300°F Insulation

**375 Thermal Stop** is high purity, aluminum oxide based, ceramic fibers uniquely bonded to a 2 mil thick layer of aluminum foil.

The ceramic fibers have a melting point of 3200°F and will provide up to 2300°F continuous service.

These resilient Ceramic Fiber Strips are used for pipe duct wrap, expansion joints, and repairs, insulation of equipment, plastic molds, pilot plant, lab units, etc.

Use Resbond 901A (page 50) for rigidizing where required.

Use band clamps or type 600 (pg 40) high temperature tape to secure pipe wraps.



#### Insulation Guide - 375 FT Thermal Stop Tape

Hot Surface Temp.	1000°F	1400°F	1600°F	1800°F	2200°F
375FT 1/2" thick will reduce temp to	300°F	390°F	450°F	520°F	700°F
375FT 1" thick will reduce temp to	220°F	300°F	380°F	420°F	500°F

Cat. No	Thickness	Width, Length
375FT-2	1/2"	2" x 12'
375FT-3	1/2"	3" x 12'
375FT-4	1/2"	6" x 12'
375FT-1	1/2"	24" x 12'

Cat. No	Thickness	Width, Length
375FT-5	1"	2" x 8'
375FT-6	1"	3" x 8'
375FT-8	1"	6" x 8'
375FT-7	1"	24" x 12'

### Wrap-It Moldable Sheets

**Wrap-It** Moldable sheets combine Cotronics' high purity, refractory fibers with proprietary, inorganic binders in a new and economical wet felt form.

Wrap-It is cut to shape, molded and dried to form a light weight, resilient, highly efficient, thermal insulation that is also resistant to most chemicals and solvents.

Just air dry to form strong free standing shapes.

Wrap-It will not crack or flake, has excellent thermal shock resistance and is not wet by molten metals.

Wrap-It moldable sheets are ideal for molten metal handling, thermal insulation, fire proofing, burner chambers, field repair, welding supports, fixtures and molten metal dams.



**Applications Include:** insulation, furnace linings, mufflers, gas turbines, fans, ovens, chemical reactors, expansion joint packing, fire protection, sound absorption, stress relieving insulation, non-contaminating brazing and sintering separators. Wrap-It can be bonded with 7020 - Thermeez Ceramic Putty or 901 - Resbond Fiber Based Ceramic Adhesive (see page 51).

WRAP-IT	372	372HT	372UHT
Temp. Rating °F	2300	2700	3000
Melting Point °F	3200	3300	3600
Density (# / Ft <sup>3</sup> )	18	18	12
Al <sub>2</sub> O <sub>3</sub> %	35	65	98
SiO <sub>2</sub> %	65	35	2
Shrinkage (%)			
after 24 hrs. @ 1300°F	0.2	0.1	0.1
after 24 hrs. @ 2200°F	2	0.7	0.5
Thermal Cond. (BTU-in./ Hr. Ft <sup>2</sup> °F)			
@ 1000°F	0.7	0.6	0.5
@ 1500°F	0.9	0.8	0.5

Cat No.	Temp.	Roll Size
372-0	2300°F	1/8" x 2' x 12.5'
372-1	2300°F	1/4" x 2' x 12.5'
372-2	2300°F	1/2" x 2' x 12.5'
372-3	2300°F	1" x 2' x 8'
372HT-3	2700°F	1/2" x 2' x 6'
372UHT-2	3000°F	1/2" x 2' x 2'