

TYPICAL PROPERTY SHEET

CRS - WRAP 1303B (NON-BIOPERSISTENT)

CRS - Wrap® MLI Blankets

COMBINATION OF RADIANT BARRIERS AND SPACERS

Custom Made Unique Combination for Super-Insulation

CRS -Wrap® custom made multilayer insulation (MLI) blankets combine inorganic nonwoven glass fiber with aluminum foil to form a collated, super-insulating system of radiant barriers and spacers in a pre-made shape to perfectly fit the geometry and complexity of your inner vessel design. Since the blanket is custom made to fit your specific vessel design, requiring no adhesive or adherent, outgassing in the vacuum space is minimized while wrapping capabilities are maximized. Advantages of this widely used, MLI configuration include:

- Custom made to fit complexity of the inner vessel/pipe
- Quick Velcro connection for ease of installation
- Made with biosoluble microfiber glass
- Alleviates thermal shorting - EXCELLENT thermal performance
- Ensures consistent alignment of radiant barriers with spacers
- Eliminates waste
- CRS-Wrap meets international and US DOT MC - 338 (oxygen compatibility) requirements

Applications

- Cylinders
- Dewars
- ISO tanks (intermodal)
- Microbulk
- Mini storage (small plant)
- LNG and LH2 fuel tanks
- Rail cars
- Storage tanks
- Trailers
- Vacuum jacketed piping



For the most thermally efficient, cost-effective cryogenic product on the market, trust CRS-Wrap®.



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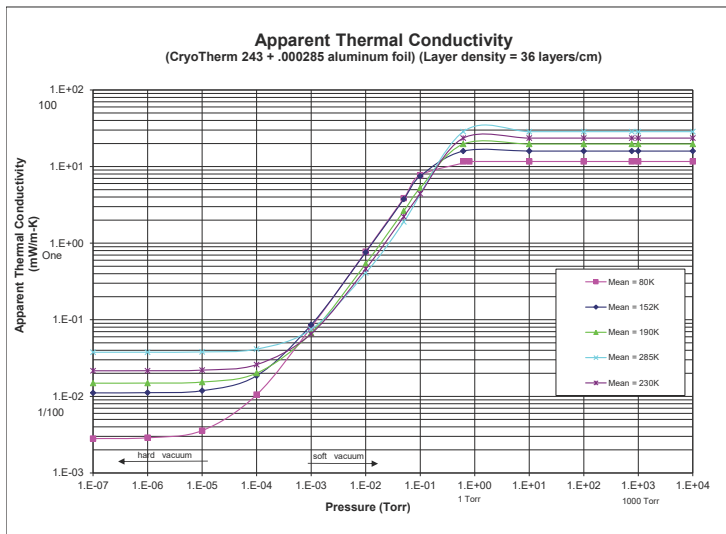
CRS – WRAP 1303B (NON-BIOPERSISTENT)

CRS – Wrap[®] MLI Blankets

COMBINATION OF RADIANT BARRIERS AND SPACERS

| Material | |
|----------|---|
| | CryoTherm 1303B: Thinnest biosoluble grade to maximize reflective layers |
| | + |
| | Aluminum (Al) Foil: Thickness = 0.285 mil (0.007 mm) |
| | = |
| | CRS – Wrap : Ideal combination of spacers (CryoTherm 1303B) and barriers (Al foil) |

CRS – Wrap[®] Performance



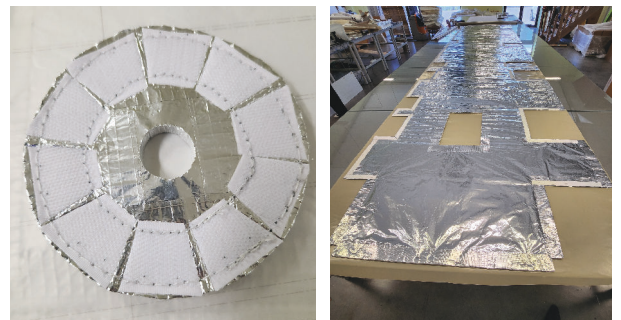
Testing/Engineering Services

- Thermal imaging for performance validation
- Thermal conductivity for material characterization
- Thermal modeling for engineering solutions



Product Availability

| Custom Product Sizes |
|--|
| Shape |
| Thickness |
| # of layers |
| Sealed in moisture impermeable bags with desiccant |
| Cardboard boxes* |



*Wooden cases are available for an additional charge

Note: All product data is nominal and does not represent a specification. All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. We make no warranty, expressed or implied, concerning actual use or results because of industry specific influences.

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