

# TYPICAL PROPERTY SHEET

**CRS – Wrap®**

COMBINATION OF RADIANT BARRIERS AND SPACERS

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### Unique Combination for Super-Insulation

CRS – Wrap® combines inorganic nonwoven glass fiber with aluminum foil to form a collated, super-insulating system of radiant barriers and spacers on one roll. Since the wrap requires no adhesive or any adherent, outgassing in vacuum space is minimized while wrapping capabilities are maximized. This widely-used, multilayer insulation (MLI) arrangement:

- Made with biosoluble microfiberglass
- Alleviates thermal shorting - EXCELLENT thermal performance
- Ensures consistent alignment of radiant barriers with the spacers
- Virtually eliminates waste
- Improves customer productivity by as much as 400% (according to customer testimonials)
- Increases wrapping speeds by 2 to 4 times
- Meets international and US DOT MC - 338 (oxygen compatibility) requirements



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

### Applications

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

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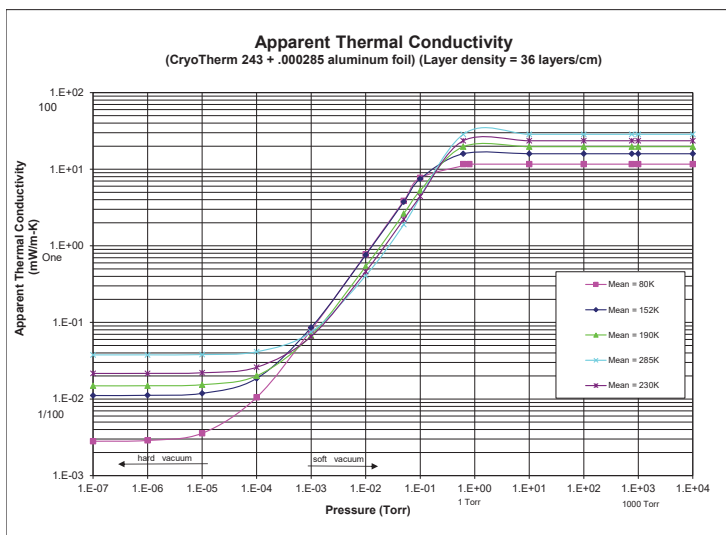
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Material	Tensile Strength, lb/in (kg/25 mm)	Elongation, %
CryoTherm 243: Thinnest biosoluble grade to maximize reflective layers	0.60 (0.27)	1.6
+		
Aluminum (Al) Foil: Thickness = 0.285 mil (0.007 mm)	2.00 (0.91)	1.2
=		
CRS – Wrap : Ideal combination of spacers (CryoTherm 1303B) and barriers (Al foil) on one roll	3.13 (1.42)	1.6

## CRS – Wrap® Performance



## Testing/Engineering Services

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



## Product Availability

Standard Product Sizes	
Standard Roll Width, in (mm)	2.75 (70) – 51 (1295)
Roll Diameter	May vary based on customers needs
Packaging	Sealed in moisture impermeable bags with desiccant
Shipping	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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