

Document: TDS-CryoTape_FiG-2026

Revision: 1.03

Date: March 2026

PRODUCT DESCRIPTION

CryoTape® series from East Far are a family of cryogenic-temperature, lightweight adhesive tapes engineered to secure and bond CryoMLI® series insulation materials in cryogenic environments, including liquid helium (4K) applications. Drawing on thermal control expertise and manufacturing excellence, combined with extensive field experience in aerospace, transport cryogenic vessels, and medical applications, East Far delivers customized solutions to ensure optimal performance under the most demanding conditions. CryoTape® FiG is a fiberglass cloth tape designed for high-temperature and fire-resistant applications in cryogenic environments. Ideal as an outer protective wrap to mitigate vibration-induced detachment.

PRODUCT CONSTRUCTION

Structure	Fiberglass Tape
Total Thickness	0.2 ±0.05 mm
Length	50 m
Width	10 / 15 / 20 / 25 / 30 / 50 mm
Custom Width	Available (MOQ 2,000 rolls)
Service Temperature: 4K (–269°C) - 533K (260°C)	

FEATURES

- ✓ Fire resistant — flame barrier
- ✓ High quality material — Liquid Helium (4K) compatible
- ✓ High temperature resistance up to 533K (260°C)
- ✓ Solvent resistance
- ✓ Aging resistance
- ✓ Excellent chemical stability
- ✓ Stable performance across extreme thermal cycling

TYPICAL PHYSICAL PROPERTIES

Note: The following technical information should be considered representative only and should not be used for specification purposes.

Test	Typical Value	Test Method
Application Temperature Range	4K (–269°C) - 533K (260°C)	Application test
Tensile Strength	200 N/25mm	GB/T 7753
Elongation at Break	5%	ASTM D-3759
Adhesion to Steel	4.0 N/cm	ASTM D-3330
Shelf Life	24 months from date of manufacture	Internal

APPLICATION MARKETS

- ✓ Aerospace, aircraft and rocket parts
- ✓ Cryogenic vessels and transfer lines
- ✓ Liquid helium applications
- ✓ Superconducting cables
- ✓ Nuclear fusion cryogenic modules
- ✓ Recommended as outermost layer for mechanical protection during transport

CLASSIFICATIONS & COMPLIANCE

Fire Safety Properties	
Flame Spread Index (ASTM E84 / UL 723)	0
Smoke Developed Index (ASTM E84 / UL 723)	0
UL Classification	Class A (ASTM E84 / UL 723)
Backing Flammability	Non-combustible (Fiberglass)
Adhesive Flammability	N/A (Adhesive-free Wrap)
DIN 4102	A2 (DIN 4102)
EN 13501-1	Class A1 (EN 13501-1)

Standards: Compliant with GB/T 31480-2015 · GB/T 31481-2015 (ISO 201010:2014) · NB/T 47059-2017

STORAGE & SHELF LIFE

Storage: Store in a clean, dry place. Recommended conditions: 4 – 26°C (40 – 80°F) and 40 – 50% relative humidity.
Shelf Life: 12 months from date of manufacture when stored under recommended conditions.

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