

CERAMIC FIBER TAPE

Woven heat-resistant tape for thermal wrapping of exhaust components.

DOCUMENT NO.
TL-CFT-TDS-001

REVISION
04

ISSUE DATE
2026-09-01



TECHNICAL PROPERTIES

PRODUCT	Ceramic Fiber Tape - Deep Sintered
PRODUCT CODE	CFT2S-50
STANDARD SIZE	2.0 mm x 50 mm
ROLL LENGTH	5 m / 10 m / 15 m
LINEAR MASS	60 g/m
APPEARANCE	Black-gray woven tape
CONTINUOUS SERVICE	1200°C
REFRACTORINESS	1760°C - tested result
ASBESTOS SCREENING	Not detected in tested sample*

COMPOSITION

FINISHED TAPE MATERIAL CONTENT		CERAMIC FIBER CHEMICAL COMPOSITION	
Ceramic fiber	> 80%	Aluminum oxide (Al ₂ O ₃)	45-47%
Metal wire	8%	Silicon dioxide (SiO ₂)	49-55%
Glass fiber	10%	Iron oxide (Fe ₂ O ₃)	< 1.2%
Organic matter (binder)	< 3%	Basis	Supplier specification

Composition values reproduce the supplied CFT2S-50 specification. Limit signs and ranges are retained as declared.

TYPICAL APPLICATIONS

- Thermal wrapping of motorcycle and passenger-vehicle exhaust headers and pipes.
- Exhaust-system wrapping for heavy-duty trucks and construction equipment.
- Heat containment around suitable manifolds and exhaust pipe sections.

SELECTION AND HANDLING

- Verify suitability under actual temperature, cycling, vibration and exposure conditions.
- Secure mechanically; stainless-steel ties are typically used.
- Keep dry and use suitable PPE and dust controls during cutting and installation.

TEST REFERENCES AND TEMPERATURE STATEMENT

1200°C CONTINUOUS SERVICE

Refractoriness: 1760°C, tested to GB/T 7322-2017, Report No. 20248717 (2024-09-29). 1760°C is a refractoriness result, not the continuous-use limit.
Asbestos screening: six regulated asbestos types not detected at MDL 0.1% (w/w), NIOSH 9002:1994 reference method, SGS Report No. TJIN1503002657PC_CN (2015-04-09).

* Test results apply only to the samples tested. This TDS is not a Safety Data Sheet. Product selection and installation remain the responsibility of the user.