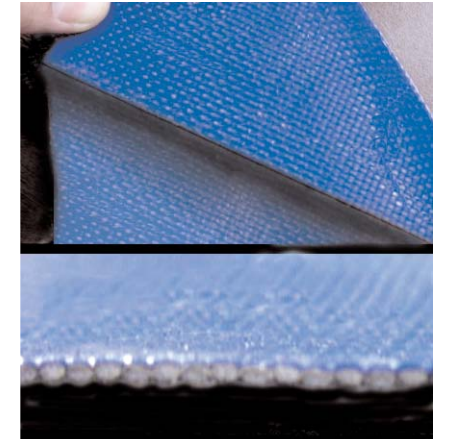


Thorburn's K12 PTFE Coated Fibre Fabric Belt comes with multi-directional, non-porous, zero porosity, PTFE corrosion barrier



PTFE laminated on one side 0.006" (0.15mm)
Cross-Section showing PTFE coated fiberglass reinforcement

TYPE K12 GAS SEAL MEMBRANE

MATERIAL SPECIFICATION

Gas Seal Membrane

Thorburn's K12 Gas Seal Membrane is a fluoropolymer coated fibreglass fabric with PTFE laminated film on one side.

K12 GSM is engineered for dry/wet service, gas seal Expansion Joints.

K12 absorbs thermal growth and movement of a ducting system while containing internal pressures and media.

- Successfully used in expansion joint service since 1990.
- Severe chemical and temperature exposure capabilities.
- Custom engineered upon request.

Design Temperature

- 600°F (316°C) Continuous Service as per ASTM C-411 hot service test

Permeability

K12 GSM is non-porous and offers zero porosity to pressurized gasses.

Tensile & Flex/Fold Test

Meets the breaking strength test as per ASTM D-751; Flex/fold test in accordance with ASTM D2176 with a maximum 30 flex-fold cycles.



Thorburn's K12 Design Specifications

Thorburn Type K12 PTFE Coated Fibreglass Fabric c/w Teflon Film Laminated to 1 side

Thickness (Overall)	0.042" (1.07mm)	± 0.005" (± 0.13mm)
Weight	52 oz. / yd. ² (200gm/m ²)	± 1.5 oz. / yd. ² (± 51gm/m ²)
Working temperature	600°F (316°C)	N/A
Excursion temperature	650°F (343°C)	N/A
Reinforcement Type	Specially woven fibreglass fibre & PTFE Coatings	N/A
Breaking Strength (1" wide specimen) ASTM D-751	Longitudinal	1200 lbs/in (5338 N/25mm)
	Transversal	1200 lbs/in (5338 N/25mm)
Film:	Type	Multi-Directional PTFE
	Thickness	.006" (0.15mm)
Chemical Resistance	Good	N/A
Other:	Heat sealable	N/A
	Hot/dry with occasional outage service	N/A
	Non- porous	N/A