



FLEXIBLE
SPECIALTY
PRODUCTS

ChemFlex-12

Material Specification

Material Description

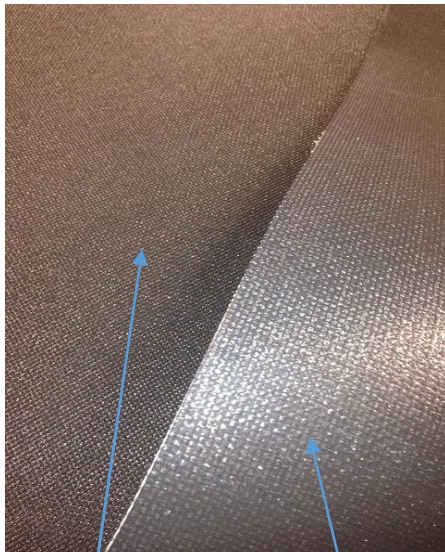
Our ChemFlex-12 expansion joint material provides a thick 12 mil inner PTFE gas barrier. The added protection provides resistance to all types of chemical attack. The durable outer layer is constructed of a PTFE coated fiberglass that provides the longevity and flexibility required for most applications. These two layers are laminated together to form a strong, flexible composite material.

The ChemFlex-12 material can withstand continuous temperatures to 600F and is not affected by UV light. All ChemFlex materials are easily repaired on-site with a repair kit provided by FSP. Contact our sales staff to see if this is the correct material for your application



Construction:

PTFE Coated Woven Fiberglass load bearing component with 12 mil PTFE film laminated to interior side to form a 2 layer composite



PTFE Coated
Fiberglass Cloth

12 mil PTFE Gas Barrier

Physical Properties

Maximum Temperature: 600°F (316°C) Continuous

Minimum Temperature: -80°F (-62°C) Continuous

Weight: 66 oz/yd² (2238 g/m²)

Thickness: 0.052+(1.3 mm)

Tensile Strength (Warp): 1200 lbs/in (10508 N/50 mm)

Tensile Strength (Fill): 1200 lbs/in (10508 N/50 mm)

Maximum Pressure: 5 PSI (3518 mm wc)

Minimum Pressure: -3 PSI (-2110 mm wc)

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This information supplied in good faith and is based on information currently available. Contact a sales representative at FSP to verify suitability to specific applications and design conditions