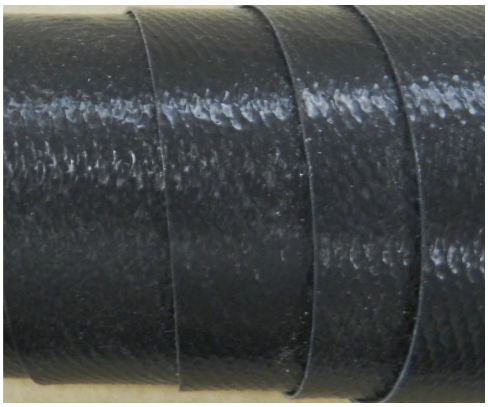
ChemShield® 7920 Material Specification





Property Ratings

Resistance to Vibration	*Very Good*
Resistance to Movements	*Very Good*
Resistance to Abrasion	*Very Good*
Resistance to Solvents	*Excellent*
Resistance to Oils	*Excellent*
Resistance to Alkali	*Excellent*
Resistance to Dilute Acids	*Excellent*
Resistance to Concentrated Acids	*Excellent*
Resistance to Flames	*Not Recommended*
Resistance to Weather / UV	*Excellent*

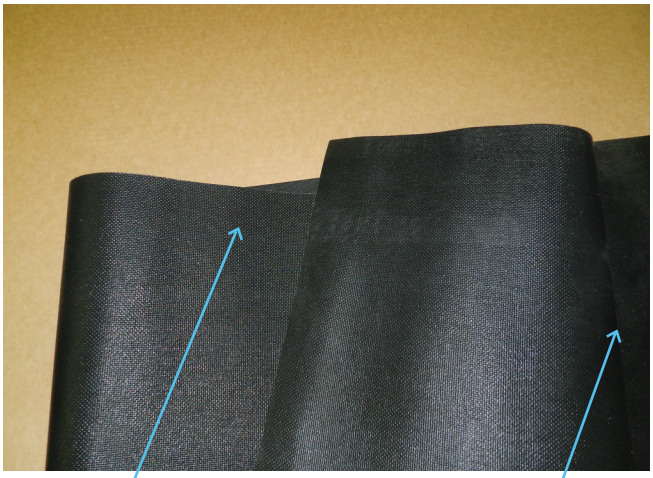
Physical Properties

Materials of Construction

Zero Porosity PTFE Film Laminated to a Flexible PTFE Coated Fiberglass Cloth

Max. Operating Temperature:	*600˚F (316˚C)*
Min. Operating Temperature:	*-80˚F (-62˚C)*
Weight:	*79 oz/yd2 (2679 g/m2)*
Thickness:	*0.060" (1.52mm)*
Tensile Strength (Warp):	*1200 lbs/in (10724 N/50mm)*
Tensile Strength (Fill):	*1200 lbs/in (10724 N/50mm)*
Maximum Pressure:	*5 PSI (3518 mm wc)*
Minimum Pressure:	*-3 PSI (-2110 mm wc)*

ChemShield® 7920 Materials



PTFE Corrosion / Gas Barrier
Weight: 29 oz/yd2 (984 g/m2)
Thickness: 0.020" (0.51mm)
Tensile Strength: 87 lb/in (295 N/50mm)
Tear Strength: 22Lb (99.8 N)

PTFE Coated Fiberglass Cloth

The picture at left shows the two components that make up the ChemShield® 7920 material. The outer PTFE coated fiberglass cloth provides the load bearing component, while the inner PTFE film provides the gas and corrosion barrier. The two layers are laminated together to form a single layer composite material capable of resisting stress cracking while providing flexibility and temperature resistance.

Our ChemShield® 7920 is our best fiberglass reinforced product. The 20 mil PTFE barrier is the thickest in the market and provides excellent chemical resistance for demanding applications. Our ChemShield® 7920 material is the best choice for heavy duty chemical service with moderate abrasion resistance requirements.

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FlexCom® Flexible Compensators, Inc. • 6864 Chrisphalt Drive • Bath, PA 18014
phone: 610.837.3812 • toll free: 1.888.376.FLEX
www.flexcomonline.com • sales@flexcomonline.com