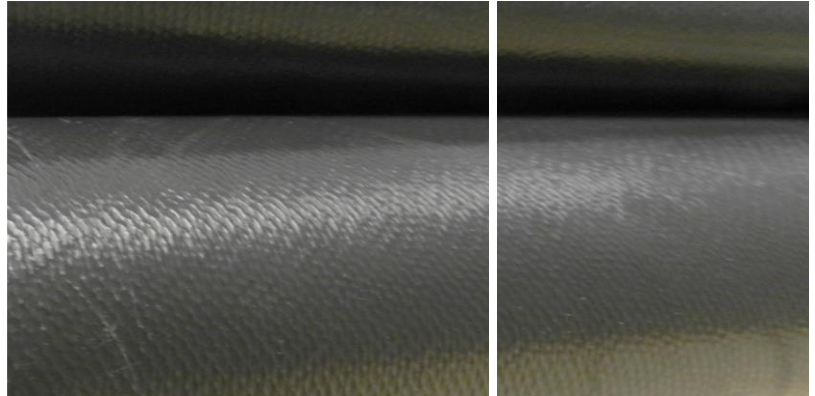


ChemShield® 4430 Material Specification



Property Ratings

Resistance to Vibrations	<i>Excellent</i>
Resistance to Movements	<i>Excellent</i>
Resistance to Abrasion	<i>Very Good</i>
Resistance to Solvents	<i>Excellent</i>
Resistance to Oils	<i>Excellent</i>
Resistance to Alkali	<i>Excellent</i>
Resistance to Dilute Acids	<i>Excellent</i>
Resistance to Concentrated Acids	<i>Excellent</i>
Resistance to Flames	<i>Not Recommended</i>
Resistance to Weather / UV	<i>Excellent</i>

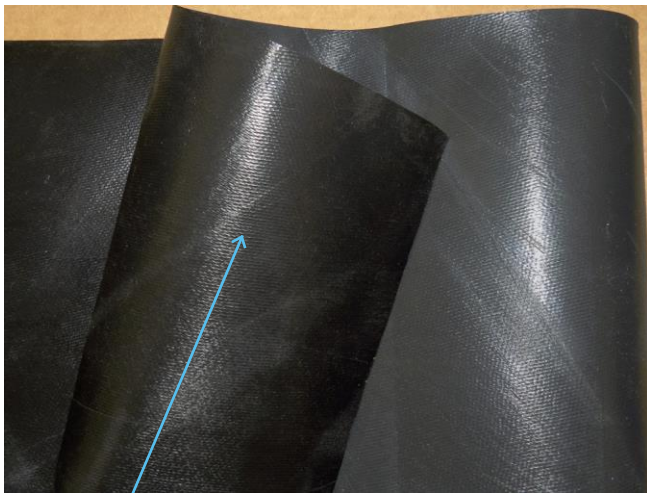
Physical Properties

Materials of Construction

Zero Porosity 100% PTFE & Perfluoroplastic Resin with Multi-Directional Strength

Max. Operating Temperature:	500°F (260°C)
Min. Operating Temperature:	-80°F (-62°C)
Weight:	44 oz/yd ² (1492 g/m ²)
Thickness:	.030" (0.76mm)
Tensile:	127 lbs/in (1135 N/50mm)
Tear:	82 lbs (372.1 N)
Maximum Pressure:	2 PSI
Minimum Pressure:	-2 PSI

ChemShield 4430 Materials



100% PTFE and Perfluoroplastic Resin material with multi-directional strength. Available in various colors.

Our ChemShield® III 4430 is a unique material fabricated entirely from PTFE and resins for excellent stress crack resistance and flexibility. Since ChemShield® III is a self supporting material, no reinforcements are required that may be subject to chemical attack.

ChemShield® III 4430 is the most common thickness in the ChemShield® III series of materials. The 30 mil thickness provides excellent flexibility with very good strength. Our ChemShield® III series should be used when extreme conditions exist, including concentrated acids or cycling and pulsating. Many colors are available including black, white, blue, and red.

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