



FLEXIBLE
SPECIALTY
PRODUCTS

SuperFlex-40

Material Specification

Material Description

Our SuperFlex-40 product is a 100% PTFE laminated engineered material for use in extreme chemical environments and for extreme flexing or vibration. Unique multi-directional strength and stress crack resistance allows this flexible PTFE product to perform without fiberglass reinforcement. Fiberglass reinforcement is susceptible to fatigue failure and chemical attack.

The SuperFlex-40 material can withstand continuous temperatures to 600°F and is not affected by UV light. All SuperFlex materials can easily be 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:
100% PTFE and Perfluoroplastic resin with multi-directional strength



100% PTFE and Perfluoroplastic Resin, 0.040" Thick

Physical Properties

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

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

Weight: 60 oz/yd² (1492 g/m²)

Thickness: 0.040+(0.76 mm)

Tensile Strength: 132 lbs/in (1156 N/50 mm)

Tear Strength: 106 lbs/in (472 N/50 mm)

Maximum Pressure: 2 PSI (1970 mm wc)

Minimum Pressure: -2 PSI (-1970 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