



STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

Product: Reinforced Sheet



Related Web Page:
<http://www.stockwell.com>

Stockwell Value Proposition:

Design & Engineering - staff engineers comprehend design challenges and are available to help select materials and manufacturing processes that best fit your application needs.

Material Solutions - Stockwell Elastomerics has strategically partnered with industry leaders such as Rogers Corp., St. Gobain, 3M, Wacker Silicones and Momentive Silicones to ensure the highest quality materials are used. Stockwell Elastomerics has a comprehensive inventory of engineered materials designed and manufactured to meet requirements of the most demanding gasketing applications.

Pre-Production through Manufacturing - combining in-house CNC die cutting, waterjet cutting, injection molding, compression molding and adhesive lamination with comprehensive inventory; Stockwell Elastomerics can fulfill fast-turn prototyping, pre-production and full production requirements.

FK-50-R

Compound: 50 Durometer, Fluorosilicone Coated Polyester Fabric

Product Description:

FK-50-R, fluorosilicone sheet with polyester fabric reinforcement was designed for environments where there may be exposure to fuels, solvents, UV, ozone and temperature extremes. The polyester fabric reinforcement adds tensile strength and X and Y axis dimensional stability.

Stockwell Elastomerics offers pre-production and full production parts made from FK-50-R; including waterjet cutting and die cutting. Acrylic or silicone adhesive peel and stick backings are available for sheet or cut parts.

Polymer Properties	Typical Value
Durometer, Shore "A"	50
Tensile Strength, psi	1300
Elongation, max %	600
Tear "B", ppi	175
Temperature Low, °C (°F)	-62 (-80)
Temperature High, °C (°F)	163 (325)
Specific Gravity	1.45
Vol. Swell, ASTM Ref Fuel B, 22hrs 73F	20%
Color	Blue
Available Configurations	<ul style="list-style-type: none">• Continuous Sheets• Cut Parts (Waterjet/Die Cut)• Conductive Adhesive Backed