



# ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

## ARMATEX® PUF POLYURETHANE COATED FIBERGLASS FABRIC

ARMATEX® POLYURETHANE (PUF) Coated Fabric is comprised of fiberglass cloth coated with polyurethane on one side or two sides. When compared with uncoated fiberglass cloth, this high strength coated fabric features superior chemical and taber abrasion resistance, high-temperature resistance, flame resistance, and has excellent sealing properties. The polyurethane coating can withstand temperatures up to 365°F • 185°C and the fiberglass base fabric can withstand temperatures up to 1000°F • 538°C.

Other features of ARMATEX® PUF Coated Fabric include excellent resistance to oil, water and solvents. It has superior cold aging and weather resistance, and good machinability for fabricating insulation blankets and jacketing systems. Although the fabric is very light, it has excellent structural stability, weatherability and mechanical properties. It can be used for indoor and outdoor applications, and is safe for use by personnel.

ARMATEX® POLYURETHANE Coated Fabric is available in different weights, colors and widths, and can be coated on other substrates such as woven Polyester, Cotton, Nomex®, Kevlar®, Carbon, and other fabrics.

### AVERAGE PHYSICAL PROPERTIES

Product Name	PUF 8-382	PUF 10-602	PUF 16-602	PUF 32-602
Coated Fabric Weight, oz/sy • g/sm	8 • 271	10 • 339	16 • 542	32 • 1085
Thickness, inches • mm	0.009 • 0.228	0.012 • 0.304	0.017 • 0.431	0.039 • 0.990
Dematia Flex Testing	>10,000 cycles	>10,000 cycles	>10,000 cycles	>10,000 cycles
Tear Strength, lbs • kgs (warp x weft)	n/a	8.23 x 9.59 3.74 x 4.36	12.3 x 15.1 5.59 x 6.86	33.9 x 34.5 15.41 x 15.68
Breaking Strength, lbs/in • N/5 cm (warp x weft)	201 x 210 1750 • 1838	275 x 229 2407 • 2005	640 x 515 5595 • 4509	807 x 647 7066 • 5665

Tolerance is +/- 10% unless otherwise stated.

### APPLICATIONS INCLUDE:

- Fabric air distribution ducts
- Fire Doors and Curtains
- Removable insulation blankets and jackets
- Fabric ductwork connector
- Welding Blankets
- Other fire and smoke control systems

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

Mid-Mountain Materials, Inc. • Telephone (800) 382-2208 • (206) 762-7600 • Fax (206) 762-7694  
5602 - 2nd Avenue South • PO Box 80266 • Seattle, WA 98108 USA  
info@mid-mountain.com • www.mid-mountain.com