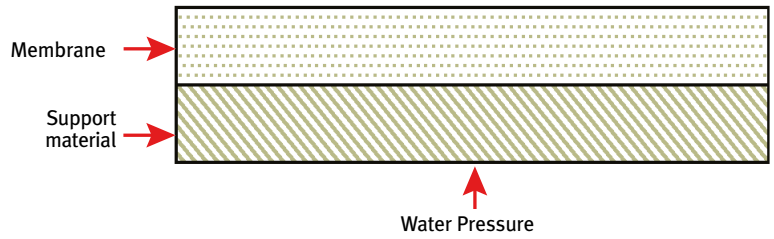
Materials Technology

Bond Strength Testing

The bond strength of GORE® Laminates is measured by applying water pressure against the support layer with the membrane side unsupported. The water passes easily through the backing and is held by the hydrophobic membrane. The force needed to lift the membrane off the support layer is measured in psi. Typical test area is a one-inch diameter circle.

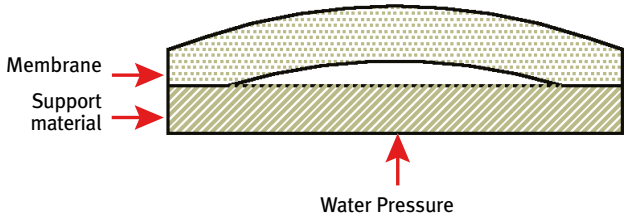
Standard test used to measure the force required to separate the layers of a laminate.

Sample before testing

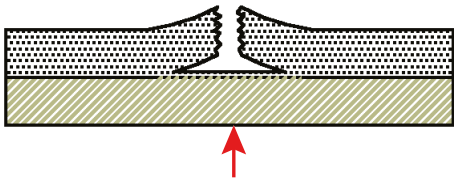


Possible outcomes when water entry pressure has been exceeded

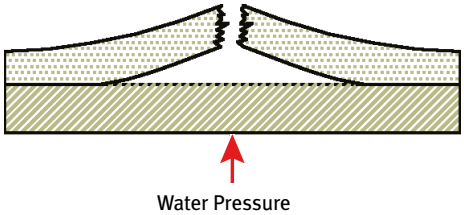
Membrane delaminates from the sample



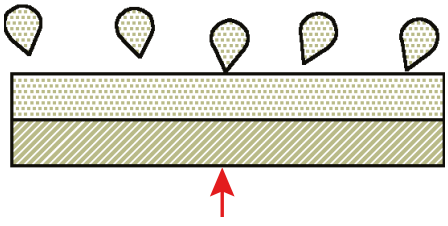
Membrane ruptures without delaminating



Membrane ruptures at the same time delamination occurs



Water appears through the sample without delamination or rupture



W. L. Gore & Associates, Inc.
401 Airport Road • Elkton, MD 21921 • USA
Phone: 1.410.392.4440 • Toll-Free: 1.800.455.4670
Fax: 410.506.7993

gore.com

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

GORE and design are trademarks of W. L. Gore & Associates.
© 2012 W. L. Gore & Associates, Inc.

Creative Technologies Worldwide

VENT-TEC-0110-R1-US-APR12