

# 3M™ TufQUIN TF 5+5 Laminate

Data Sheet

April 2009

		ASTM Test Method	TF 5+5
<b>Nominal Thickness</b>	mm mil	D-645	0.25 10
<b>Basis Weight</b>	g/m <sup>2</sup> lb/yd <sup>2</sup>	D-202	326 0.60
<b>Density</b>	g/cc		1.3
<b>Tensile Strength, MD</b>	lb/inch N/cm	D-828	113 198
<b>Tensile Strength, CD</b>	lb/inch N/cm	D-828	159 278
<b>Elmendorf Tear, MD</b>	g N	D-689	532 5.2
<b>Elmendorf Tear, CD</b>	g N	D-689	1556 15.2
<b>Dielectric Breakdown Strength</b>	kV	D-149	14
<b>Moisture Absorption</b>	%	D-644	<1

---

## Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

---

## Warranty; Limited Remedy; Limited Liability

This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

---

3M is a trademark of 3M Company.

## Electrical Markets Division 3M Innovative Paper Technologies

1 Paper Trail  
Tilton, NH 03276-5250  
866 357 2737  
FAX: 603 286 4859  
www.3M.com/flexibleinsulation

Please recycle  
© 3M 2009 All rights reserved  
78-8127-8945-7 A

