



COMMERCIAL TESTING COMPANY

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Report Number 17-12080.5

DELIUS GmbH
Bielefeld, Germany

Test Number 4784-7874-1217R
March 22, 2016

Breaking Strength

Test Method: The material was tested in accordance with Federal Specification CCC-W-408D, *Wall Covering, Vinyl-Coated*, which covers the classification of wall covering according to its serviceability in use. The test was conducted in accordance with ASTM Test Method D 751, Section 11, *Breaking Strength*, using Procedure A - Grab Test Method. The test was conducted using an Instron CRE type tensile tester operated at an extension rate of 12 inches per minute.

Material Tested: The client submitted a sample of vinyl wall covering identified as **20 oz. Printed and Embossed Type II Non-woven Backed Commercial Vinyl Wallcovering (YM)**.

Test Data:

Breaking Strength, Machine Direction — 94 pounds force
Breaking Strength, Cross Machine — 80 pounds force

Test Result: The material tested, **20 oz. Printed and Embossed Type II Non-woven Backed Commercial Vinyl Wallcovering (YM)**, meets Type II requirements for breaking strength of Federal Specification CCC-W-408D. Overall classification can not be based on a single performance property.

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(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.