

Correlating Peel & Burst Test Data for Unrestricted Pouches with Fin Seal Edges

Ray Brown¹, Asit Ray², and Samuel Tsai³

Abstract: Peel and Burst tests are two of the three prevalent standard methods used to test the integrity of sterilized medical device packages. The burst test is faster, easier and more economic and as such are preferred by pouch suppliers and medical device manufacturers for quality control and validation purposes. Peel and burst test were run on four sets of pouches having varying sizes, made of the same materials and sealed with the same adhesives and sealing process. A simple model using basic principles was developed to correlate the results of peel and burst tests for pouches. Reasonable correlations were obtained for all four sizes of pouches.

Keywords: Pouches, medical device packages, peel test, burst test, package integrity

References:

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Authors:

Ray W Brown- Dr .Brown is a Professor Emeritus of Mechanical engineering at Christian Brothers University. He earned his Ph.D. from University of Notre dame. He also served as mechanical engineering department chair and engineering dean at CBU. His interests include mechanical and thermal systems

Asit K. Ray- Dr. Ray is a professor of chemical engineering at CBU. He earned his Ph.D.from Lehigh University and has over 20 years of teaching/research experience at Auburn and CBU. Dr. Ray spent seven years in the polymer industry, and was four times a NASA/ASEE Summer Faculty Fellow engaging in polymer research at NASA Kennedy Space Center and Langley Research Center. He is actively engaged in laboratory research in polymeric and biomaterials and has published over fifteen refereed papers. Dr. Ray also serves as the Coordinator of the Packaging Engineering Certificates and Lab at CBU and is a member of IoPP and AIChE. He has presented joint- seminars in 2011 on “ Medical Device Packaging for Non- Packaging Professionals” and on “ Sterilization of Medical Device Products and Packaging” at CBU organized by CBU Packaging Consortium. It was widely attended by professionals from medical device industry.

.Samuel Tsai- Samuel is a senior in the department of chemical and biochemical engineering at CBU.

¹ Christian Brothers University, 650 East Parkway South, Memphis, TN 38104,
rwbrown@cbu.edu

² Christian Brothers University, 650 East Parkway South, Memphis, TN 38104,
aray@cbu.edu

³ Christian Brothers University, 650 East Parkway South, Memphis, TN 38104