

P.O. Box 2400
Cookeville, Tennessee 38502-2400
Phone: 931-372-8871
Fax: 931-525-3896

Pliability Test Report

Test Number: RD082400PL

Date of Test: June 11-12, 2008

Specimen Number: 1021080606-7

Date of Manufacture: 2008

Report Prepared For: Innovative Energy / Eric Baker

Project: Adhesive Performance (Pliability) of Bubble Pack with Metallized Film Facer (AstroShield II)

Procedure

This report presents the results of physical tests conducted on material manufactured by Innovative Energy and received by R&D Services, Inc. on June 6, 2008 for classification testing. Testing was completed on June 12, 2008. The test was performed in accordance with the following test method.

ASTM C1224-03, "Specification for Reflective Insulation for Building Applications" - Section 9.5.2, Pliability

Specimen Preparation


One (1) roll of bubble pack with metallized film facer (AstroShield II) was supplied to R&D Services, Inc. Two (2) sets of three (3) 3 by 6 in samples were cut from separate locations on the roll of product. One sample in each set contained a factory produced edge.

Specimen Conditioning

One set of specimens was conditioned at $70^{\circ}\text{F} \pm 2^{\circ}\text{F}$ with $50\% \pm 5\%$ relative humidity and the second set at $32^{\circ}\text{F} \pm 2^{\circ}\text{F}$ with $50\% \pm 5\%$ relative humidity a minimum of 24 hours prior to testing.

Observations

The specimens were folded in accordance with Section 9.5.2.4 and TAPPI Standard T512om-86. The Innovative Energy bubble pack with metallized film facer (AstroShield II) was observed to have no cracking or delamination when folded to an 180° bend, thus, meeting the acceptance criteria of Section 9.5.2.4.


Reviewed by: _____

08-27-08
Date: _____

The results in this report apply only to the specimen tested