ENGINEERING

UNITED STATES
POSTAL SERVICE

May 5, 2009

Michael A. Budd
National Marketing Manager
Multi-Plastics, Inc.
210 Commodore Drive
Swedesboro, NJ 08085-1292

Dear Mr. Budd:

The U.S. Postal Service (USPS) Engineering received 26 window envelope samples from Multi-Plastics, Inc., with EWF 2009 LDLJ window film, to be evaluated for haze and readability. Correlated haze was measured according to American Society for Testing and Materials (ASTM) test method D1003 using a MacBeth Coloreye 7000 in haze mode. Gloss at 45° angle was measured according to ASTM test method D2457.

**Results:**

| Property | Result | USPS Recommended Limit |
|---|---|---|
| Haze | 32 | Not greater than 70 |
| Gloss, 45 degree | 67 | - |

The U.S. Postal Service does not have a recommended value for gloss, the information is provided for reference purposes only.

The envelopes having 11 digit address block POSTNET barcodes printed on inserts behind the window film and were run on a delivery barcode sorter four times to evaluate barcode readability. The barcode read rate was100%.

**Conclusion:**

Engineering finds the Multi-Plastics, Inc., EWF 2009 LDLJ window film meets requirements for letter mail automation processing.

George R. Laws
Manager
Letter Mail Technology

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