

Test Procedure Guidelines

Test Method: **STATIC CHARGING OF IN-MOLD LABELS**

PURPOSE OF PROCEDURE:

To determine if a label accepts a static charge.

DEFINITION OF TERMS:

kV: Kilovolt

EQUIPMENT/MATERIALS NEEDED:

1. Grounded metal die
2. A high-voltage DC charging power supply with a 30-kV adjustable output capability
3. Label samples

TEST PROCEDURE:

1. Lay the label sample on the grounded metal die with printed side up.
2. Charge label
 - a. 8 kV
 - b. distance of 5 mm
 - c. duration 5 seconds
3. Try to lift label off grounded metal die

DOCUMENTATION:

Record if the label accepted a static charge and stuck to the metal as PASS.

Record if the label sample freely slips off the metal with no resistance as FAIL.

REFERENCES: