
**Florida Method of Test
for
Field Sampling Granular Thermoplastic**
Designation: FM 5-547

1. SCOPE

This method covers a field sampling procedure for obtaining granular thermoplastic pavement marking materials at the jobsite for subsequent laboratory testing by the Materials Office.

Note: The values in SI units are to be regarded as standard. The values in parenthesis are for information only.

2. APPLICABLE DOCUMENT

2.1 ASTM Standard:

D 2241 Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR-Series).

3. EQUIPMENT

- 3.1 One piece of thin walled PVC pipe (ASTM D 2241), 450 to 600 mm (18 to 24 in.) in length and 32 mm (1 ¼ in.) inside diameter.
- 3.2 Masking Tape
- 3.3 Knife
- 3.4 Gloves
- 3.5 Safety Glasses
- 3.6 Quart sample bags or cans

4. MATERIAL

- 4.1 One 25-kg (50-lb.) bag of granular thermoplastic pavement marking material.

5. SAMPLING PROCEDURE

- 5.1. Select at random a 25-kg (50-lb.) bag of the thermoplastic material from the batch designated for use.

- 5.2 Place the 25-kg (50-lb.) bag horizontally on a flat surface and slice the bag open lengthwise (see attached drawings).
- 5.3 Starting from the centermost area of the bag opening, bore horizontally on a diagonal through the thermoplastic material with the plastic pipe so that material enters the pipe.
- 5.4 Deposit the sample retained in the pipe into a liter (quart) bag or liter (quart) can.
- 5.5. Continue sampling in this manner until each quadrant of the bag is represented and the total volume of sample obtained approximates 1 L (1 qt.).
- 5.6 Upon completion of sampling, seal the lengthwise cut opening in the bag with masking tape and return the bag to the batch stockpile.

Field Sampling Granular Thermoplastic Pavement Marking Materials

