

**THERMOPLASTIC COMPOUND (Hot Applied Pavement Markings)**  
DOTD Designation: S 610-99

**I. General**

**A. Equipment**

1. DOTD stamp, ink pad and suitable markers for identification.
2. Tape for sealing pallets of thermoplastic compound once sample has been obtained.
3. MATT forms, envelopes and tape for securing to sample container.

**B. Safety Precautions**

It is the responsibility of the user of this sampling method to establish appropriate safety practices including, but not limited to, lifting heavy containers.

**II. Sampling at the Warehouse**

**A. Warehouser Responsibilities:**

1. Notify the District Laboratory in the District in which the storage facility is located for DOTD lot approval allowing adequate time for scheduling by the District Laboratory.
2. Have the thermoplastic compound separated by manufacturer's lot number.
3. Provide access for District Laboratory Representative to easily obtain random samples.
4. Once the samples of thermoplastic are taken, seal, stamp and mark each pallet of that lot with the DOTD lot number. (Obtain stamps for this purpose from the District Laboratory personnel.)
5. After approval of the thermoplastic compound, provide a Certificate of Delivery referencing the manufacturer's lot number and the DOTD passing lab number with each DOTD lot shipped to the job site.
6. If the material is not approved, void the DOTD lot number by marking through the number.

**B. District Laboratory Responsibilities:**

1. Upon arrival at the warehouse, identify the thermoplastic compound by DOTD lot. (Same material included in manufacturer's lot.)
2. Randomly sample one 50 lb unit of thermoplastic compound per lot.
3. Identify the sample of thermoplastic compound with the DOTD lot number used to designate the lot of which it is representative.
4. Once the samples of thermoplastic compound are taken, have the warehouse personnel seal, stamp and mark each pallet of that lot with the DOTD lot number. (Obtain stamps for this purpose from the Materials & Testing Section.)
5. Place a properly completed, unsoiled identification form into a sample envelope. Securely attach the envelope to the sample container. Forward samples to the Materials & Testing Section for testing. The disposition of results shall be reported by the Materials & Testing Section to the District Laboratory.
6. For any lot of material not conforming to specifications and receiving a failing report, return to the storage facility to ensure that the supplier of the material has voided the DOTD lot number.

**C. Certificate of Delivery From the Warehouse**

Upon receiving approval and a passing laboratory number from the Materials & Testing Section, submit with each lot of thermoplastic compound a Certificate of Delivery to the Project Engineer along with a copy to the Materials & Testing Section. The CD must be signed by an authorized representative of the company.

**III. Sampling at the Out of State Manufacture's facility:**

**A. Manufacturer Responsibilities:**

1. Notify the Materials & Testing Section for lot approval allowing adequate time for scheduling by the inspector.

2. Have the thermoplastic compound separated by manufacturer's lot number.
3. Provide access for inspector to easily obtain random samples.
4. Once the samples of thermoplastic are taken, seal, stamp and mark each pallet of that lot with the Louisiana DOTD lot number. (Obtain stamps for this purpose from the state inspector.)
5. After approval of the thermoplastic compound, provide a Certificate of Delivery referencing the manufacturers's lot number and the Louisiana DOTD passing lab number with each Louisiana DOTD lot shipped to the job site.
6. If the material is not approved, void the Louisiana DOTD lot number by marking through the number.

**B. State Inspector Responsibilities:**

1. Upon arrival at the warehouse, identify the thermoplastic compound by Louisiana DOTD lot. (Same material included in manufacturer's lot.)
2. Randomly sample approximately one gallon unit of thermoplastic compound per lot consisting of composite material thieved from 3 different randomly selected bags.
3. Identify the sample of thermoplastic compound with the Louisiana DOTD lot number used to designate the lot of which it is representative (Example: MS-TH-0001 for Mississippi inspected material or TX-TH-0001 for Texas inspected material.)
4. Once the samples of thermoplastic compound are taken, have the warehouse personnel seal, stamp and mark each pallet of that lot with Louisiana DOTD Lot Number. (Obtain stamps for this purpose from the Louisiana DOTD Materials & Testing Section.)
5. Place a properly completed, unsoiled sample identification form in an envelope and securely attach envelope to the sample container. Forward samples to the Materials & Testing Section to the Sate Inspector.
6. For any lot of material not conforming to specifications and receiving a failing report, return to the storage facility to ensure that the supplier of the material has voided the Louisiana DOTD Lot Number.

**C. Certificate of Delivery from the Warehouse**

Upon receiving approval and a passing Louisiana DOTD laboratory number form the Materials & Testing Section, submit with each lot of thermoplastic compound a Certificate of Delivery to the project engineer along with a copy to the Materials & Testing Section. The CD must be signed by an authorized representative of the company.

**IV. Sampling at the Project Site: (When not accompanied with a properly completed DOTD Certificate of Delivery indicating material was previously sampled at an in state warehouse and approved by the Materials and Testing Section or is questionable by the Project Engineer.)**

**A. Contractor's Responsibilities:**

1. Provide adequate storage facilities at the project site for all thermoplastic compound for the purpose of obtaining acceptance of the thermoplastic compound prior to application.
2. Have the thermoplastic compound separated by manufacturer's lot.
3. Provide access for Project Engineer to easily obtain random samples and to seal and mark each pallet.

**B. Project Engineer Responsibilities:**

1. Identify the thermoplastic compound by manufacturer's lot.
2. Randomly sample one 50 lb unit of thermoplastic compound per lot.
3. Identify and mark the sample with the sample identification number used to designate the lot of which it is representative.
4. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.

STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
MATERIALS & TESTING SECTION  
5080 FLORIDA BLVD., BATON ROUGE, LA 70806

**CERTIFICATE OF DELIVERY  
FOR  
PAVEMENT MARKING MATERIALS (EXCLUDING PAINT)**

PROJECT NAME \_\_\_\_\_ P. O. NUMBER \_\_\_\_\_

PROJECT NUMBER \_\_\_\_\_ CONTRACTOR \_\_\_\_\_

MATERIAL ABBREV. (SEE BELOW)	MANUFACTURER	QUANTITY	MANUFACTURER LOT NUMBER	PROD. SOURCE CODE	DOTD LOT NUMBER (EX: 61-BA-0001)	REPRESENTED BY DOTD LAB. NUMBER

List of Materials with Material Abbreviation:

- (RM) Raised Pavement Markers (QPL 9)
- (BA) Bituminous Adhesive for Raised Pavement Markers (QPL 59)
- (EA) Epoxy Adhesive Type V for Raised Pavement Markers (QPL 32)
- (TA) Preformed Plastic Pavement Marking Tape (QPL 64)
- (TH) Thermoplastic Pavement Markings (QPL 63)

This is to certify that the materials listed above have been shipped to the referenced project. We certify that random samples taken from the lot or batch of the materials listed above have been previously tested by the Materials & Testing Section under the above referenced lab numbers and have met all specification requirements for the designated project. ***This certificate is invalid unless signed by an authorized representative of the company.***

COMPANY: \_\_\_\_\_

Date Shipped to Jobsite: \_\_\_\_\_

BY: \_\_\_\_\_  
(Authorized Company Representative Signature)

Copies:

One copy for each project will accompany all shipments of the above listed materials.  
One copy shall be mailed to the Materials Engineer Administrator, Louisiana Department of Transportation and Development, 5080 Florida Blvd., Baton Rouge, LA 70806.

**For DOTD Use:**

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_

**Shipments will be accepted only when accompanied by this official DOTD certificate form.**

STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
MATERIALS & TESTING SECTION  
5080 FLORIDA BLVD., BATON ROUGE, LA 70806

**CERTIFICATE OF DELIVERY  
FOR  
THERMOPLASTIC PAVEMENT MARKINGS  
FROM OUT OF STATE MANUFACTURER'S FACILITY**

PROJECT NAME \_\_\_\_\_ P. O. NUMBER \_\_\_\_\_

PROJECT NUMBER \_\_\_\_\_ CONTRACTOR \_\_\_\_\_

MATL. ABBREV. (SEE BELOW)	PROD. SOURCE CODE	MANUFACTURER	QUANTITY	MANUFACTURER LOT NUMBER	DOTD LOT NUMBER (ex: MS-TH-0001)*	REPRESENTED BY LA DOTD LAB NUMBER

\*The first two characters designate the LADOTD District or the State DOT (ex: GA, MS or TX) performing the sampling.

List of Materials with Material Abbreviation:

(TH) Thermoplastic Pavement Markings (QPL 63)

This is to certify that the materials listed above have been shipped to the referenced project. We certify that random samples taken from the lot or batch of the materials listed above have been previously tested by the Materials & Testing Section under the above referenced lab numbers and have met all specification requirements for the designated project. ***This certificate is invalid unless signed by an authorized representative of the company.***

COMPANY: \_\_\_\_\_

Date Shipped to Jobsite: \_\_\_\_\_

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**For DOTD Use:**

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_