

Specimen

Laboratory Molded Specimen

- Prepared according to test methods AASHTO test Method TP 4.
- Specimen diameter shall be 150 mm (6 in.) and specimen height should be 62 ± 2 mm (2.4 ± 0.1 in.).
- Density of test specimens must be $93 \pm 1\%$.

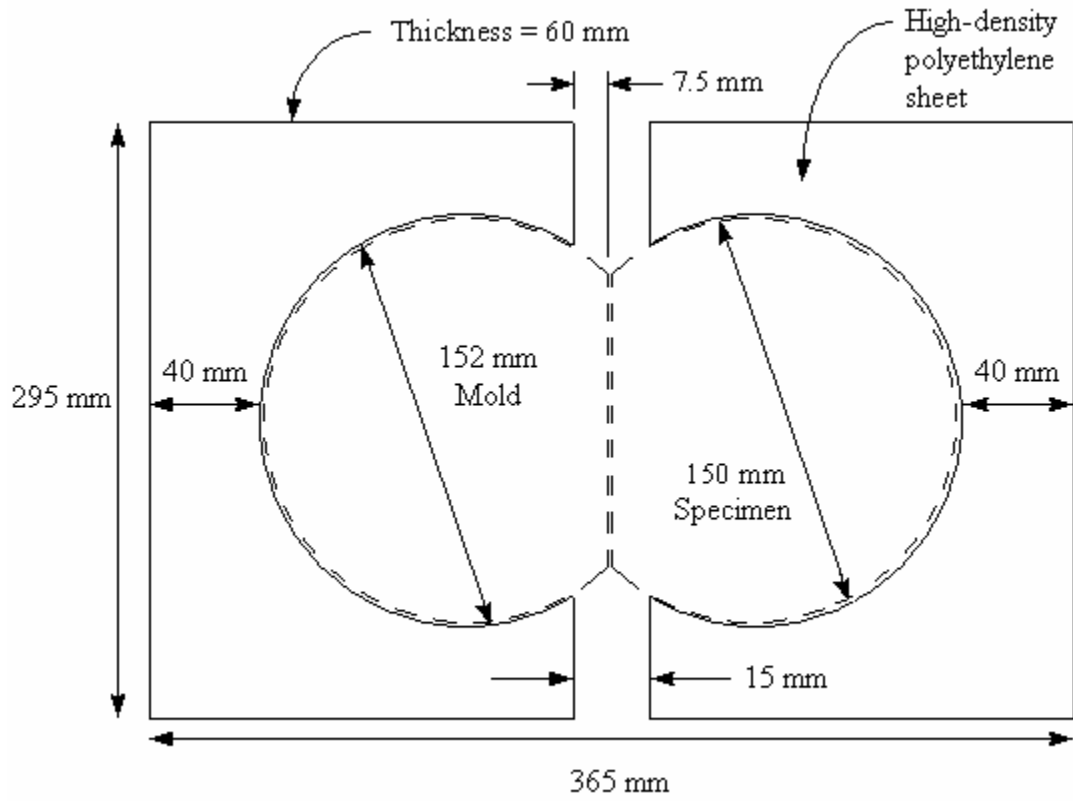
Core specimen

- diameter of 150 ± 2 mm (6 ± 0.1 in.) or 254 ± 2 mm (10 ± 0.1 in.).

Procedure

Follow these steps to prepare and test the sample.

Sample Preparation and Testing	
Step	Action
1	<ul style="list-style-type: none">◆ Test requires 2 cylindrically molded specimens with the Superpave Gyratory Compactor according to “Tex-241-F, Superpave Gyratory Compacting of Test Specimens of Bituminous Mixtures.”<ul style="list-style-type: none">• Specimens must be molded to a specified density of $93 \pm 1\%$• Specimens must be molded to a specified height of 62 ± 2 mm (2.4 ± 0.1 in.).• Specimen weights typically vary between 2400-2600 grams to achieve density.• Specimen weights vary with different aggregate sources and with different mix types.
2	Measure the relative density of specimens according to test methods “Tex-207-F, Determining Density of Compacted Bituminous Mixtures” and “Tex-227-F, Theoretical Maximum Specific Gravity of Bituminous Mixtures.”
3	<ul style="list-style-type: none">◆ Place a specimen in the cutting template mold and use a masonry saw to cut it along the edge of the mold. The cut across the specimen should be approximately 16 mm (5/8 in.) deep. The specimen should be cut to the dimensions shown in the Figure ‘Top View of Test Specimen Configuration for the Hamburg Wheel-tracking Device’ in order to fit in the molds required for performing the test.
4	<ul style="list-style-type: none">◆ For specimens 150 mm (6 in.) in diameter:<ul style="list-style-type: none">• Place the high-density polyethylene molds into the mounting tray and fit specimens into each one.• Secure the molds into the mounting tray. Do not use the high-density polyethylene molds for core specimens greater than 152 mm (6 in.) in diameter.◆ For specimens greater than 150 mm (6 in.) in diameter:<ul style="list-style-type: none">• Mix capping compound.• Spray the mounting tray with a light lubricant.• Place specimen in the middle of the mounting tray.• Spread the capping compound around the core specimen until level with the surface.• Allow the capping compound to dry a minimum of 24 hours.
5	<ul style="list-style-type: none">◆ Fasten the mounting trays into the empty water bath.



** Not drawn to scale





Granite Mixtures @ 40°C



No Additive



Lime