

State of Nevada
Department of Transportation
Materials Division

METHOD OF TEST FOR DUCTILITY OF BITUMINOUS MATERIAL

Follow AASHTO T 51 in its entirety with the following exceptions:

PROCEDURE

Make the following changes:

A mixture of glycerin and talc is the only approved release agent.

The temperature equilibration time in the water bath after trimming and prior to testing shall be 60 to 120 minutes.

REPORT

Replace this section with the following:

For unmodified asphalt cements, a normal test is one in which the material between the two clips pulls out to a point or thread until rupture occurs at the point where the thread has practically no cross-sectional area or until the capacity of the machine is reached.

For polymer modified asphalt cements, a normal test is one in which the material pulls out until rupture occurs at any point between the two clips or until the capacity of the machine is reached. The material does not have to pull out to a point or thread to be considered normal.

If the material comes in contact with the surface of the water or the bottom of the bath, the test shall not be considered normal.

Report the result of one normal test as the ductility of the sample. If a normal test is not obtained on the initial test, one retest shall be run. If the retest does not produce a normal test, the ductility shall be reported as unobtainable.