



Designation: D 490 – 92 (Reapproved 2001)

## Standard Specification for Road Tar<sup>1</sup>

This standard is issued under the fixed designation D 490; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the Department of Defense.*

### 1. Scope

1.1 This specification covers 14 grades of tar as follows: RT-1, RT-2, RT-3, RT-4, RT-5, RT-6, RT-7, RT-8, RT-9, RT-10, RT-11, RT-12, RT.C.B.-5, and RT.C.B.-6.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

D 4 Test Method for Bitumen Content<sup>2</sup>

D 20 Test Method for Distillation of Road Tars<sup>3</sup>

D 36 Test Method for Softening Point of Bitumen (Ring and Ball Apparatus)<sup>2</sup>

D 70 Test Method for Specific Gravity and Density of Semi-Solid Bituminous Materials<sup>3</sup>

D 95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation<sup>4</sup>

D 139 Test Method for Float Test for Bituminous Materials<sup>3</sup>

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.43 on Specifications and Tests for Tar and Tar Products.

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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 04.04.

<sup>3</sup> *Annual Book of ASTM Standards*, Vol 04.03.

<sup>4</sup> *Annual Book of ASTM Standards*, Vol 05.01.

D 140 Practice for Sampling Bituminous Materials<sup>3</sup>

D 1665 Test Method for Engler Specific Viscosity of Tar Products<sup>3</sup>

### 3. Physical Requirements

3.1 The tar shall conform to the requirements in Table 1.

### 4. Sampling

4.1 The material shall be sampled in accordance with Practice D 140.

### 5. Test Methods

5.1 The properties enumerated in Table 1 shall be determined in accordance with the following methods, with the exception of the test specified in 5.1.3:

5.1.1 *Water*—Test Method D 95.

5.1.2 *Specific Gravity*—Test Method D 70.

5.1.3 *Specific Viscosity*—Test Method D 1665. The results shall be reported as specific viscosity compared with water at 25°C.

5.1.4 *Float Test*—Test Method D 139.

5.1.5 *Distillation*—Test Method D 20.

5.1.6 *Softening Point*—Test Method D 36.

5.1.7 *Total Bitumen*—Test Method D 4.