

# 1202 - PERFORMANCE GRADED ASPHALT BINDER

## SECTION 1202

### PERFORMANCE GRADED ASPHALT BINDER

#### 1202.1 DESCRIPTION

This specification covers performance graded asphalt binder (PGAB).

#### 1202.2 REQUIREMENTS

a. Provide material\* that complies with the applicable requirements of **SECTION 1201** and AASHTO M 320. Polymer modified binders must meet the additional requirements shown in **TABLE 1202-1**.

\*Perform all tests after adding 0.5% high molecular weight amine antistripping agent (by weight) to the PGAB. Contact the Chief Chemist, Bureau of Construction and Materials, for a list of acceptable high molecular weight amines.

<b>TABLE 1202-1: ADDITIONAL REQUIREMENTS</b>					
<b>Temperature Spread<sup>1</sup>, °C</b>	<b>86</b>	<b>92</b>	<b>98</b>	<b>104</b>	<b>110</b>
Separation, ASTM D 5976, °C max. Run on Original Binder	2	2	2 <sup>2</sup>	2	2
Elastic Recovery, ASTM D 6084, Procedure A, % min. Run on RTFO Residue	50	60	65	75	80
<sup>1</sup> Temperature Spread is determined by subtracting low temperature from high temperature; for example PG 64-28: 64-(-28) = 92 <sup>2</sup> For PG 70-28 RCI, separation test requirement no greater than 6.					

b. Provide the grade of material designated in the Contract Documents. KDOT will not make changes in the grade of asphalt. The Contractor may substitute PGAB that complies with or exceeds the upper and lower grade designations for the grade specified. For example, if a maintenance overlay specifies a PG 58-22, a PG 64-22 or a PG 58-28 will also be accepted. Such substitutions require advance approval by the Engineer and a no-cost change order.

#### 1202.3 TEST METHODS

Test according to the applicable provisions of ASTM D 5976, D 6084 and AASHTO T 48, T 240, T 313, T 315, T 316, and R 28.

#### 1202.4 PREQUALIFICATION

Prequalify material according to **SECTION 1201**.

#### 1202.5 BASIS OF ACCEPTANCE

See applicable requirements under **SECTION 1201**.