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.

<table>
<thead>
<tr>
<th>TABLE 1202-1: ADDITIONAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Spread¹, °C</td>
</tr>
<tr>
<td>Separation, ASTM D 5976, °C max. Run on Original Binder</td>
</tr>
<tr>
<td>Elastic Recovery, ASTM D 6084, Procedure A, % min. Run on RTFO Residue</td>
</tr>
</tbody>
</table>

¹Temperature Spread is determined by subtracting low temperature from high temperature; for example PG 64-28: 64-(-28) = 92
²For 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.