

# 1202 - PERFORMANCE GRADED ASPHALT BINDER

## SECTION 1202

### PERFORMANCE GRADED ASPHALT BINDER

#### 1202.1 DESCRIPTION

This specification covers polymer modified performance graded (PG) asphalt binders.

#### 1202.2 REQUIREMENTS

a. Provide material\* that complies with the applicable requirements of **SECTION 1201** and AASHTO M 320 except with the added requirements for polymer modified binders as shown in **TABLE 1202-1**. All binders shown in **TABLE 1202-1** must be polymer modified.

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

TABLE 1202-1: PERFORMANCE GRADE (PG)								
	64-28	70-22	70-28	70-34	76-22	76-28	82-22	82-28
Separation, ASTM D5976, Sec. 6, 163°C, 48 hrs. Difference in R&B from Top to Bottom, °C max. Run on Original Binder	2	2	2	2	2	2	2	2
Elastic Recovery, ASTM D6084, 25°C, 10 cm elongation, % min. Run on RTFO Residue	45	45	65	70	65	75	75	75

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 PG asphalt 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 D4402, D5976, D6084 and AASHTO T 48, T 313 and T 315.

#### 1202.4 PREQUALIFICATION

Prequalify material according to **SECTION 1201**.

#### 1202.5 BASIS OF ACCEPTANCE

See applicable requirements under **SECTION 1201**.