

State: NEW YORK	Materials: Re: Section 401-2.04 - Bituminous Materials
Date Last Reviewed: 3-17-2010	Web Address: www.dot.state.ny.us
Materials Engineer: Zoeb Zavery	Contact Info: zzavery@dot.state.ny.us

ASPHALT BINDER:

Section 401-2.04	Description:	Use the Performance-Graded Binder (PG) in the production of these mixtures that meet the AASHTO M 320 Standard Specification for Performance-Graded Asphalt Binder. The temperature of PG Binder delivered to the HMA Production Facility will not exceed 175°C, unless the PG Binder supplier recommends it.
	PMA's:	58-34, 64-28, 70-22, 76-22
	Exclusions:	PPA

PROPERTY	Test Method AASHTO or Other	Requirements by Performance Grade, PG (Common Grades)			
		58-34	64-22	70-22	76-22
ORIGINAL:					
Specific Gravity	15.6°C	ASTM D 70	Report		
Flash Point, °C		T 48	230 min.		
Rotational Viscosity, Pa Xs	135°C	T 316	3.0 max.		
Dynamic Shear, kPa (G* / sin δ, 10 rad./sec.)	At grade temperature	T 315	1.0 min.		
RTFOT RESIDUE:					
Mass Loss, %		T 240	1.0 max.		
Dynamic Shear, kPa (G* / sin δ, 10 rad./sec.)	At grade temperature	T 315	2.2 min.		
PAV RESIDUE:		R 28	100°C; 20 hrs; 300 psi		
Dynamic Shear, kPa (G* • sin δ, 10 rad./sec.)	At test temperature	T 315	5,000 max.		
Creep Stiffness	At test temperature	T 313	Stiffness 300 max. MPa & m Value 0.300 min.		
			-24°C	-12°C	-12°C
Direct Tension, (1mm/min.), % Strain		T 314	No Requirement		
PG PLUS REQUIREMENTS: YES					
RTFOT RESIDUE:					
Elastic Recovery, %	25°C	ASTM D6084	60 min. for all PMA		
NOTES:					
1. ASTM D6084, procedure A					

