

<b>State:</b> CONNECTICUT	<b>Materials:</b> Re: Section M.04, Bituminous Concrete Materials
<b>Date Last Reviewed:</b> 04-07-10	<b>Web Address:</b> www.ct.gov/dot/site/default.asp
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**ASPHALT BINDER:**

M.04.01 (d)	<b>Description:</b>	Meet AASHTO M 320 & R26. Must be a Neat PG 64-22 (see notes below)
	<b>PMA's</b>	None
	<b>Exclusions:</b>	

PROPERTY	Test Method AASHTO or Other	Requirements by Performance Grade, PG (Common Grades)		
		58-28	64-22	64-28
<b>ORIGINAL:</b>				
Flash Point, °C	T 48	230 min.		
Rotational Viscosity, Pa Xs	T 316	3.0 max.		
Dynamic Shear, kPa (G* /sin *, 10 rad./sec.)	T 315	1.0 min.		
<b>RTFOT RESIDUE:</b>				
Mass Loss, %	T 240	1.0 max.		
Dynamic Shear, kPa (G* /sin *, 10 rad./sec.)	T 315	2.2 min.		
<b>PAV RESIDUE:</b>				
	R 28	100°C; 20 hrs; 300 psi		
Dynamic Shear, kPa (G* X sin *, 10 rad./sec.)	T 315	5,000 max.		
		19°C	25°C	22°C
Creep Stiffness	T 313	Stiffness 300 max. MPa & m Value 0.300 min.		
		-18°C	-12°C	-18°C
Direct Tension, (1 mm/min.), % Strain	T 314	Information		

**PG PLUS REQUIREMENTS: NO**

**NOTES:**

- (1) R-29: section 6 will be performed for true grading PG binder.
- (2) R-49: Section 3.1.4 will be used as definition for "neat" or Conventional Unmodified Asphalt Binder.
- (3) The Susan P. Needham test method (FHWA) will be used to detect the presence of PPA in the PG binder.

