

State: INDIANA	Materials: Re: Section 902 - Asphalt Materials
Date Last Reviewed: 3-16-2009	Web Address: www.indot.state.in.us
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ASPHALT BINDER:

902.01	Description:	Asphalt is defined as a cementitious material obtained from petroleum processes. Asphalt shall be sampled and tested in accordance with the applicable requirements of 902.02. PG asphalt binders shall be in accordance with the table below.
1009.05 (b)	PMA's:	None stated.
	Exclusions:	None stated.

PROPERTY	Test Method AASHTO	Requirements by Performance Grade, PG (Common Grades)					
		58-28	64-28	64-22	70-28	70-22	76-22
ORIGINAL:							
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.					
		19°C	22°C	25°C	28°C	31°C	
Creep Stiffness	At test temperature T 313	Stiffness 300 max. MPa & m Value 0.300 min.					
		-18°C	-12°C	-18°C	-12°C		
Direct Tension, (1mm/min.), % Strain	T 314	No Requirement					
PG PLUS REQUIREMENTS: NO							
Notes: None.							

