

State: MAINE	Materials: Re: Div 400 Pavements, 402.02 - Materials, Section 702.01 Asphalt Cements
Date Last Reviewed: 3/15/10	Web Address: www.state.me.us/mdot
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ASPHALT BINDER:

Section 702.01	Description:	Performance Graded Asphalt Binder shall conform to the requirements of AASHTO M 320. The grade of the PG binder to be used will be specified in the Special Provision for the individual project.
	PMA's:	None stated.
	Exclusions:	None stated.
	QC Plan:	In accordance with AASHTO R 26

PROPERTY	Test Method AASHTO or Other	Requirements by Performance Grades, PG (Common Grades)			
		58-28	58-34	64-28	70-28
ORIGINAL:					
Flash Point, °C	T 48	230 min.			
Rotational Viscosity, Pa Xs	T 316	3.0 max.			
Dynamic Shear, kPa (G* /sin δ, 10 rad./sec.)	T 315	1.0 min.			
RTFOT RESIDUE:					
Mass Loss, %	T 40	1.0 max.			
Dynamic Shear, kPa (G* /sin δ, 10 rad./sec.)	T 315	2.2 min.			
PAV RESIDUE:		R 28	100°C; 20 hrs; 300 psi		
Dynamic Shear, kPa (G* •sin δ, 10 rad./sec.)	T 315	5,000 max.			
		19°C	16°C	22°C	25°C
Creep Stiffness	T 313	Stiffness 300 max. MPa & m Value 0.300 min.			
		-18°C	-24°C	-18°C	-18°C
Direct Tension, (1mm/min.), % Strain	T 314	No Requirement			
PG PLUS REQUIREMENTS: NO					
Notes:					
1. Sections 401.05: PGAB shall be PG 64-28; except for mixtures 15-25% RAP, the PGAB shall be PG 58-34.					

