

State: VERMONT	Materials: Re: Section 702 - Asphalt Materials
Date Last Reviewed: 3-05-2010	Web Address: www.dot.state.vt.us
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ASPHALT BINDER:

Section 702	Description:	The asphalt cement shall be homogenous, free from water and shall not foam when heated to 175°C (350°F). The various grades of asphalt cement shall be performance grade (PG) as specified in AASHTO M 320. Specific requirements for the specified grade of asphalt cement shall be as designated in Table 702.02A.
	PMA's:	None stated.
	Exclusions:	None stated.

PROPERTY	Test Method AASHTO or Other	Requirements by Performance Grade, PG (Common Grades)				
		52-34	58-28	58-34	64-28	70-28
ORIGINAL:						
Specific Gravity	25°C	T 228	Report			
Flash Point, °C • Flash Point, °C • T 48 • 230 min.		T 48	230 min.			
Flash Point, °C						
Rotational Viscosity, Pa □s	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: 20 hrs; 300 psi		R 28	90°C	100°C		
Dynamic Shear, kPa (G* • sin δ, 10 rad./sec.)	At test temperature	T 315	5,000 max.			
			13°C	19°C	16°C	22°C
Creep Stiffness	At test temperature	T 313	Stiffness 300 max. MPa & m Value 0.300 min.			
			-24°C	-18°C	-24°C	-18°C
Direct Tension, (1mm/min.), % Strain		T 314	No Requirement			
PG PLUS REQUIREMENTS: NO						
NOTES: None.						

