

<b>State:</b> Hawaii	<b>Materials:</b> Re: Section 702 - Bituminous Material
<b>Date Last Reviewed:</b> 08/15/2025	<b>Web Address:</b> <a href="https://hidot.hawaii.gov/highways/">https://hidot.hawaii.gov/highways/</a>
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Asphalt Binder		
Section 702	Highlights	Currently uses both M320 or M332 depending on the grade.
	PMA Notes	None stated.
	Exclusions and Limits	None stated.

Hawaii		Table 1: Requirements for Performance-Graded Asphalt Binders		
Property	Test Method: AASTHO (T), ASTM (D) or other	Requirements by Performance Grade		
		64-16 (Note 1)	64E-22 (Note 2)	
<b>ORIGINAL</b>				
Flash Point, °C	T48	230 min.		
Rotational Viscosity, Pa·s	135 °C T316	3.00 max.		
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temperature T315	1.00 min.	1.00 min. (See Note 3)	
<b>RTFO RESIDUE</b>		T240		
Mass Change, %	T240	1.00 max.		
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)	At Grade Temperature T315	2.20 min.	N/A	
MSCR, J <sub>nr</sub> @3.2kPa, max.	At Grade Temperature T350	-	0.5	
MSCR, % Recovery @ 3.2kPa, min.			N/A	
MSCR, J <sub>nr</sub> % Difference, Max.			75	
<b>PAV RESIDUE</b>		R28 100 °C, 20 hrs, 300 psi		
Dynamic Shear, kPa (G* · sin δ, 10 rad./sec.)	At Test Temperature T315	28 °C 5000 max.	25 °C 6000 max.	
Creep Stiffness, MPa	At Test Temperature T313	-6 °C	-12	
M-Value		300 max.		
		0.300 min.		
<b>NOTES</b>		1. Test according to M320 specifications. 2. Test according to M332 specifications. 3. Phase angle on original binder shall be less than 77°C.		

To ensure the most accurate and current information, the specific agency should be contacted.

