

State: Oklahoma	Materials: Re: Section 708.03 - Asphalt Materials
Date Last Reviewed: 6/11/24	Web Address: https://oklahoma.gov/odot/business-center/construction/construction-engineering.html
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Asphalt Binder

Section 708.03	Highlights	Special Provision 708-24(a-b)19 replaces Table 708:2 in ODOT's 2019 Standard Specifications. They mostly list "M 320" or "M 332" in the table rather than numerical requirements. In cases where ODOT's table does not list a number, AI has added the numerical requirements in italics for clarity.
	PMA Notes	None Stated.
	Exclusions and Limits	None Stated.

Oklahoma		Table 1: Requirements for Performance-Graded Asphalt Binders (Note 1)					
Property		Test Method:	Requirements by Performance Grade				
			PG 58-28 (PG 58-28S)	PG 64-22 (PG 64-22S)	PG 70-28 (PG 64-28V)	PG 76-28 (PG 64-28E)	PG 88-28 (PG 76-28E)
ORIGINAL							
Flash Point, ° C		T48	260 min.				
Rotational Viscosity, Pa·s	135° C	T316	M 320 (3 max.)				
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temp.	T315	M 320 (1.00 min.)				
Separation of Polymer, Difference in G* (Top-Bottom), % (1, 2)		D5976	-	-	-	-	10 max.
RTFO RESIDUE		T240					
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)		T315	M 320 (2.20 min.)				
MSCR Test Temperature			-	-	64° C	64° C	76° C
MSCR, J _{nr}		T350	-	-	M 332 (1.0 max.)	M 332 (0.5 max.)	M 332 (0.5 max.)
MSCR, % Recovery (3.2 kPa)			-	-	50 min.	80 min.	95 min.
PAV RESIDUE		R28	100° C, 20 hrs, 2.1 MPa				
Dynamic Shear	Test Temp.	T315	M 332 (19° C)	M 332 (25° C)	M 332 (22° C)	25° C	25° C
	kPa (G* · sin δ, 10 rad./sec.)		M 332 (6000 max.)				
Creep Stiffness (S), MPa	At Test Temp.	T313	300 max.				
M-Value			0.300 min				
NOTES			<ol style="list-style-type: none"> Requirements in addition to M320 or M332 are shown in red. Separation Test samples are prepared in accordance with ASTM D5976, but are reported as the difference in G* between the top and bottom samples. 				

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