

State: Montana	Materials: Re: Section 702.02
Date Last Reviewed: 06/16/2025	Web Address: www.mdt.state.mt.us
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Asphalt Binder		
Section 702.02	Highlights	Meet requirements of Table 702-9. (1)
	PMA Notes	None stated. (2)
	Exclusions and Limits	None stated.

Montana		Table 1: Requirements for Performance-Graded Asphalt Binders (Note 3,4)				
Property		Test Method: AASHTO (T), ASTM (D) or other	Requirements by Performance Grade			
			58-28	64-22	64-28 (2,5)	70-28 (2,5)
ORIGINAL						
Flash Point, ° C		T48	230 min.			
Rotational Viscosity, Pa·s	135° C	T316	3.0 max.			
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temperature	T315	1.00 min.			
Specific Gravity	15.6° C	D70	Report			
RTFO RESIDUE		T240				
Mass Change, %		T240	1.00 max.			
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)	At Grade Temperature	T315	2.20 min.			
Ductility, cm	25° C	T51	-		30 min. (Note 2)	
PAV RESIDUE		R28	100° C, 20 hrs, 300 psi			
Dynamic Shear, kPa (G* sin δ, 10 rad./sec.)	At Test Temperature	T315	19° C	25° C	22° C	25° C
			5000 max.			
Creep Stiffness, MPa	At Test Temperature	T313	-18° C	-12° C	-18° C	-18° C
			300 max.			
M-Value			0.300 min.			
NOTES		<ol style="list-style-type: none"> PG 64-28, and PG 70-28 are typically PMAs. Not currently running ductility in MDT lab. Requirements in addition to M320 are shown in red. For PG Binders not shown in table 702-2, refer to AASHTO M320, Table 1 MSCR (AASHTO M 332) PG 58H-34 & 58V-34 specified via special provision in lieu of PG 64-28 & PG 70-28 for 2025. Implemented using a minimum 55% recovery @ 3.2kPa according to AASHTO T 350. J_{nr} diff is run for information only. 				

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