

State: Indiana	Materials: Re: Section 902 - Asphalt Materials
Date Last Reviewed: 02/06/2026	Web Address: www.indot.state.in.us
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Asphalt Binder		
Section 902	Highlights	Starting with contracts in the September 2024 letting, INDOT specifies PG 58-28 asphalt binders meeting the requirements of AASHTO M332

Indiana		Table 1: Requirements for Performance-Graded Asphalt Binders			
Property		Test Method	Requirements by Performance Grade		
			58S-28	58H-28	58E-28
ORIGINAL					
Flash Point, ° C		T 48	230 min.		
Rotational Viscosity, Pa·s	135° C	T 316	3.0 max.		
Dynamic Shear, kPa ($G^*/\sin \delta$, 10 rad./sec)	58° C	T 315	1.00 min.		
RTFO RESIDUE		T 240			
Mass Change, %		T 240	1.00 max.		
MSCR: J_{nr} @3.2kPa, max.	58° C	T 350	4.5	2	0.5
MSCR: % Recovery @ 3.2kPa, min.	58° C		N/A	Note 1	Note 1
PAV RESIDUE		R 28	100° C, 20 hrs, 300 psi		
Dynamic Shear, kPa ($G^* \cdot \sin \delta$, 10 rad./sec.)	19° C.	T 315	6000 max.	6000 max.	
Creep Stiffness, MPa	-18° C	T 313	300 max.		
M-Value			0.300 min.		
NOTES		<p>1. PG binders shall be in accordance with AASHTO M 332 and in accordance with the elastic response requirements in AASHTO R 92.</p> <p>2. If the intermediate temperature stiffness, $G^* \sin \delta$, is below 5,000 kPa, the phase angle minimum limit is not required. If the intermediate temperature stiffness, $G^* \sin \delta$, is between 5,000 and 6,000 kPa, the intermediate phase angle minimum limit of 42° is required</p>			

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

