

Province: New Brunswick	Materials: Performance Graded Asphalt Cement
Date Last Reviewed: July 15, 2025	Web Address:
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Asphalt Binder		
	Description	Performance grade asphalt binder shall conform to the requirements of AASHTO M332.
	Exclusions	

New Brunswick			Table 1: Requirements for Performance-Graded Asphalt Binders (Note 1)						
Property			Test Method: AASHTO (T), ASTM (D)	Requirements by Performance Class					
				PG 52n-YY	PG 58n-28	PG 58n-YY	PG 64n-28	PG 70n-28	
ORIGINAL									
Flash Point, ° C			D92	230 min.					
Rotational Viscosity, Pa·s	135 °C		T316	3 max.					
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temp.		T315	1.00 min.					
RTFO RESIDUE			T240						
Mass Change, %			T240	1.00 max.					
MSCR, Jnr3.2, kPa ⁻¹	n = S	At Grade Temp.	T350	≤ 4.50					
	n = H			≤ 2.00					
	n = V			≤ 1.00					
	n = E			≤ 0.50					
MSCR, Jnr _{diff} , %				75 max.					
RTFO + PAV20 RESIDUE			R28	100 °C					
Dynamic Shear, kPa (G*·sin δ, 10 rad/sec)	At Inter. Temp. (Note 2)		T315						
Phase angle, δ				6000 max. Note 3					
				42° min. Note 3					
Creep Stiffness, MPa	At Test Temp.		T313	°C	-18 °C	°C	-18 °C	-18 °C	
M-Value				300 max.					
				0.300 min.					
NOTES			1. Requirements in addition to M332 are shown in red. 2. Intermediate Temp. = [(High PG + Low PG)/2] + 4 3. If G*·sin δ is below 5000 kPa, the phase angle limit is not required						

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

