Province: Prince Edward Island	**Materials:** Performance Graded Asphalt Cement
Date Last Reviewed: July 15, 2025	**Web Address:**
Bituminous specialist: Tim Cheverie	**Contact Info:**

Asphalt Binder		
	Description	Performance grade asphalt binder shall conform to the requirements of AASHTO M332.
	Exclusions	

Prince Edward Island			**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, $Jnr_{3.2}$, 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					
				6000 max. Note 3				
Phase angle, δ				42° min. Note 3				
Creep Stiffness, MPa		At Test Temp.	T313	°C	-18 °C	°C	-18 °C	-18 °C
				300 max.				
M-Value				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					