Province: Newfoundland and Labrador	**Materials:** Asphalt Cements
Date Last Reviewed: Under Review	**Web Address:** https://www.tw.gov.nl.ca/
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Asphalt Binder		
	Description	All asphalt binders shall be prepared from petroleum oils. Performance grade asphalt cements (PGAC) shall meet the requirements of AASHTO M320 Standard Specification for PGAC (Table 1).
	PMA's	None.
	Exclusions	None listed.

Newfoundland and Labrador		**Table 1: Requirements for Performance-Graded Asphalt Binders**								
Property		**Test Method: AASTHO (T), ASTM (D) or other**	**Requirements by Performance Grade**							
			PG 52-34	**PG 52-40**	**PG 58-28**	**PG 58-34**	**PG 58-40**	**PG 64-28**	**PG 64-34**	**PG 70-28**	**PG 70-34**
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 Temperature	T315	1.00 min.							
RTFO RESIDUE		T240								
Mass Variation, %		T240	1.00 max.							
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)	At Grade Temperature	T315	2.20 min.							
PAV RESIDUE		R28	90 °C		100 °C					
Dynamic Shear, kPa (G* · sin δ, 10 rad./sec.)	At Test Temperature	T315	13 °C	10 °C	19 °C	16 °C	13 °C	22 °C	19 °C	25 °C	22 °C
			6000 max. Note 1							
Phase angle, δ			42° min. Note 1							
Creep Stiffness, MPa	At Test Temperature	T313	-24 °C	-30 °C	-18 °C	-24 °C	-30 °C	-18 °C	-24 °C	-18 °C	-24 °C
			300 max.							
M-Value			0.300 min.							
NOTES		1. If G*sin δ is below 5000 kPa, the phase angle limit is not required								