

Province: Nova Scotia	Materials:
Date Last Reviewed: 8/6/14	Web Address:
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Asphalt Binder		
	Description	
	PMA's	
	Exclusions	

Nova Scotia		Table 1: PG 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.	230 min.	230 min.	230 min.	230 min.	230 min.	230 min.	230 min.	230 min.
Rotational Viscosity, Pa·s	135 °C	T316	3 max.	3 max.	3 max.	3 max.	3 max.	3 max.	3 max.	3 max.	3 max.
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec)	At Grade Temperature	T315	1.00 min.	1.00 min.	1.00 min.	1.00 min.	1.00 min.	1.00 min.	1.00 min.	1.00 min.	1.00 min.
RTFO RESIDUE		T240									
Mass Variation, %		T240	1.00 max.	1.00 max.	1.00 max.	1.00 max.	1.00 max.	1.00 max.	1.00 max.	1.00 max.	1.00 max.
Dynamic Shear, kPa (G*/sin δ, 10 rad./sec.)	At Grade Temperature	T315	2.20 min.	2.20 min.	2.20 min.	2.20 min.	2.20 min.	2.20 min.	2.20 min.	2.20 min.	2.20 min.
PAV RESIDUE		R28	90 °C			100 °C					
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.	300 max.	300 max.	300 max.	300 max.	300 max.	300 max.	300 max.	300 max.
M-Value			0.300 min.	0.300 min.	0.300 min.	0.300 min.	0.300 min.	0.300 min.	0.300 min.	0.300 min.	0.300 min.
Direct Tension, % Strain		T314	-	-	-	-	-	-	-	-	-
NOTES		None.									

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



Nova Scotia		Table 2: PG Plus Requirements for Performance-Graded Asphalt Binders									
Property		Test Method: ASTHO (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											
Specific Gravity	15.6 °C	T228	-	-	-	-	-	-	-	-	-
Penetration, tenths of mm	25 °C	T49	-	-	-	-	-	-	-	-	-
Elastic Recovery, %	10 °C	LC 25-005	-	40 min.	-	40 min.	60 min.	-	60 min.	60 min.	60 min.
Ductility, cm	25 °C	T51	-	-	-	-	-	-	-	-	-
Force Ductility, Force Ratio	4 °C	T300	-	-	-	-	-	-	-	-	-
Viscosity, Poise	60 °C	T316	-	-	-	-	-	-	-	-	-
Toughness and Tenacity	Toughness, in-lbs.	D5801	-	-	-	-	-	-	-	-	-
	Tenacity, in-lbs.		-	-	-	-	-	-	-	-	-
Softening Point, °C (°F)		T53	-	-	-	-	-	-	-	-	-
Storage Stability, °C		LC 25-003	2 max.	2 max.	2 max.	2 max.	2 max.	2 max.	2 max.	2 max.	2 max.
Solubility, %		T44	-	-	-	-	-	-	-	-	-
Homogeneity (Screen Test)		-	-	-	-	-	-	-	-	-	-
Spot Test		T102	-	-	-	-	-	-	-	-	-
Ash Content, %		LC 25-008	0.60 max.	0.60 max.	0.60 max.	0.60 max.	0.60 max.	0.60 max.	0.60 max.	0.60 max.	0.60 max.
RTFO RESIDUE		T240									
Elastic Recovery, %	10 °C	LC 25-005	-	40 min.	-	40 min.	60 min.	-	60 min.	60 min.	60 min.
MSCR, 3.2 kPa, At Grade Temperature	J _{nr}	TP70	Report	Report	Report	Report	Report	Report	Report	Report	Report
	% Recovery		Report	Report	Report	Report	Report	Report	Report	Report	Report
NOTES		None.									

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