

Province: Saskatchewan	Materials: Asphalt Cements
Date Last Reviewed: 7/30/14	Web Address: http://www.highways.gov.sk.ca/business
Materials Engineer: Manoj Jogi	Contact Info: manoj.jogi@gov.sk.ca

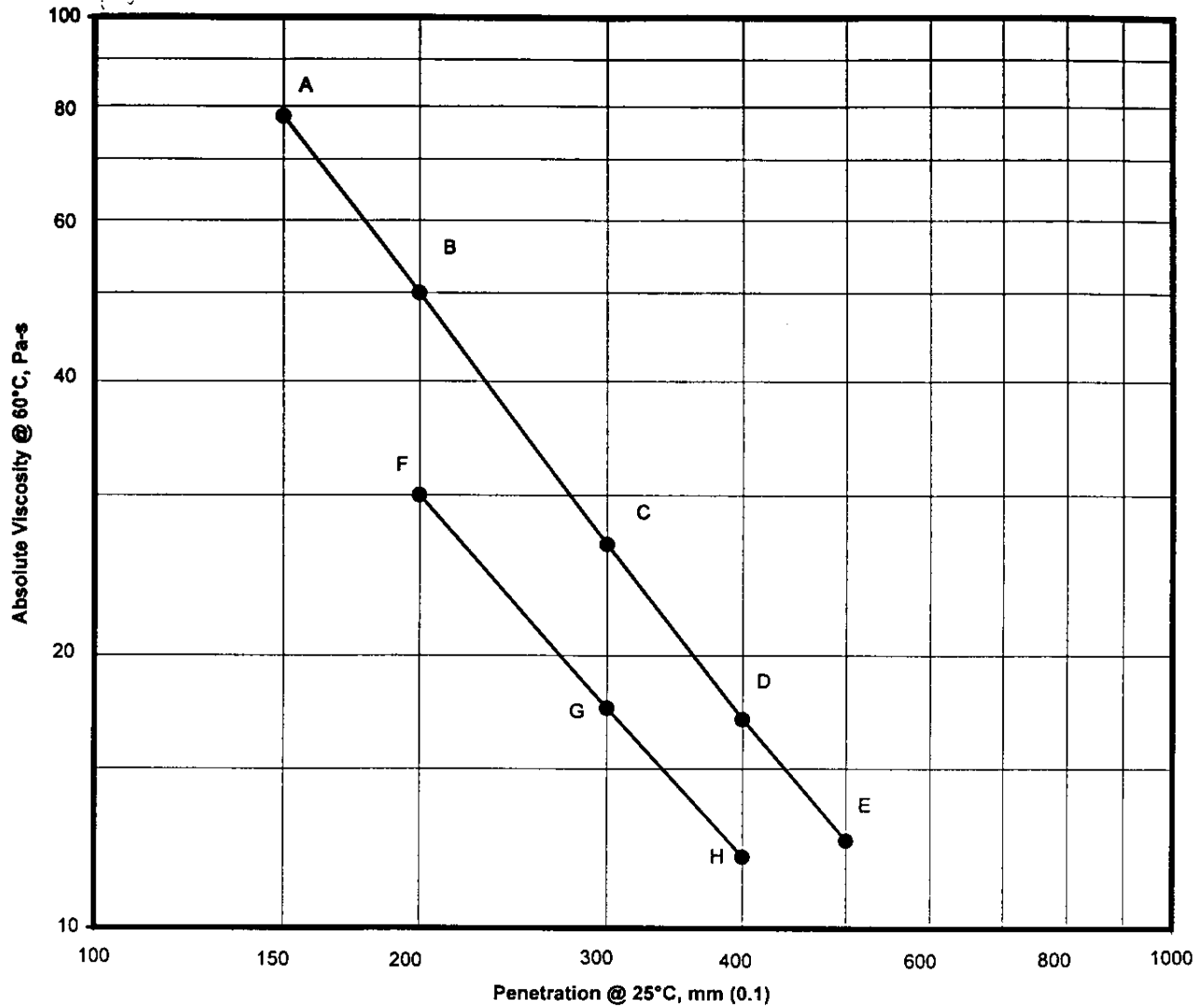
Asphalt Binder		
	Description	Asphalt Cements
	PMA's	N/A
	Exclusions	

Saskatchewan		Table 1: PG Requirements for Penetration-Graded Asphalt Binders						
Property		Test Method: AASHTO (T), ASTM (D) or other	Requirements by Penetration Grade					
			150- 200(A)	200- 300(A)	300- 400(A)	400- 500(A)	200- 300(B)	300- 400(B)
ORIGINAL								
Flash Point, °C		ASTM D92	205 min.	175 min.	175 min.	175 min.	175 min.	175 min.
Penetration, 100g, 5s, tenths of mm	25 °C	ASTM D5	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)
Viscosity	Group	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)	Note(1)
	A							
	B							
	C							
Ductility, cm	15 °C	ASTM D113	-	100 min.	100 min.	-	100 min.	-
	25 °C	ASTM D113	100 min.	-	-	-	-	-
Solubility in Trichloroethylene, % by mass		ASTM D2042	99.5 min.	99.5 min.	99.5 min.	99.5 min.	99.5 min.	99.5 min.
TFO RESIDUE								
Mass Loss, %		ASTM D1754	1.0 max.	1.5 max.	2.0 max.	2.5 max.	1.5 max.	2.0 max.
Penetration, 100g, 5s, % of original, %	25 °C	ASTM D5	50 min.	45 min.	-	-	45 min.	-
Viscosity of residue, % of original, %	60 °C	ASTM D2171	-	-	300 max.	400 max.	-	300 max.
NOTES		1. Viscosity @ 60C and penetration @ 25C shall fall within the area described in Figure 1.						

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



FIGURE 1 Penetration-Absolute Viscosity Relationships for Asphalt Cements



GRADE OF ASPHALT	150-200A			200-300A			300-400A			400-500A			200-300B			300-400B		
VISCOSITY & PENETRATION SHALL BE WITHIN GRAPHIC REGIONS DESCRIBED BY THE LETTERED CO-ORDINATES	POINT	ABS. VISC.	PEN.	POINT	ABS. VISC.	PEN.	POINT	ABS. VISC.	PEN.	POINT	ABS. VISC.	PEN.	POINT	ABS. VISC.	PEN.	POINT	ABS. VISC.	PEN.
	A	78	150	B	50	200	C	26.5	300	D	17	400	B	50	200	C	26.5	300
	B	50	200	C	26.5	300	D	17	400	E	12.5	500	F	30	200	G	17.5	300
													G	17.5	300	H	12	400
													C	26.5	300	D	17	400

NOTE: THERE ARE NO MAXIMUM VISCOSITY LIMITS FOR "A" GRADE ASPHALT CEMENTS

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