

CERTIFICATE OF ANALYSIS

Martin Asphalt Company

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Product:	PG 67-22
Date Tested:	12/09/2025
Remarks:	Tank 803 Neches-1,700,000 gallons

Test Performed	Method	Specificat.	Results
Flash Point C.O.C., °C	AASHTO T 48	232 min	304
Rotational Viscosity @ 135°C, Pa.s	AASHTO T 316	3.0 max	0.45
Solubility, %	AASHTO T 44	99 min	99+
Separation of polymer, 163°C, 48 hours, difference in R&B softening point from top to bottom, °C. <i>Applicable to E and H grades only</i>	ASTM D 7130 AASHTO T 53	2 max	
Ductility, 25°C, 5cm/min, cm (after RTFOT)	AASHTO T 51	90 min	130+
RTFOT Mass change @ 163°C, %	AASHTO T 240	1 max	-0.2785

Dynamic Shear, $G^*/\sin(\delta)$, kPa, on Original Binder

AASHTO T315

Testing Temperature, °C	67	70	76
Result	1.17		

Dynamic Shear, $G^*/\sin(\delta)$, kPa, on RTFO Aged Binder

AASHTO T315

Testing T (°C)	67	70	76
Result	3.59		

Dynamic Shear, $G^*\sin(\delta)$, kPa, on PAV Residue

AASHTO T315

Testing T (°C)	22	25	26.5	28
Result			4473	

BBR Measurements on PAV Residue, Creep Stiffness and m-Value

AASHTO T313

Testing T (°C)	-6	-12	-18	-24
S		224		
m		0.308		

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