



Technical Data Sheet

AWAZEL PG ASPHALT 82-10 (SBS)

Performance Graded (Superpave™) Modified Asphalt Binder, complies with
AASHTO M320 & M332 and ASTM D 6373

Performance Graded Asphalt Binder, used in the construction and maintenance of pavement construction.

- Complies with the requirements of AASHTO M320 & M332 and ASTM D 6373.
- Meets the SHRP Superpave™ requirements.
- Meets with MOT (Ministry of Transport) requirements

Application, storage, etc.... are same as Conventional Penetration Graded Asphalt Cements and as per MOT directives and guidelines. More details will be provided by AWAZEL, upon request.

Original Binder

Characteristics	Typical Results	Test Method
Flash Point (COC), minimum, °C	230	AASHTO T48 ASTM D 92
Viscosity at 135 °C, maximum, mPa.s (cP)	3,000	AASHTO T316 AASHTO 4402
Dynamic Shear @ 82 °C, G*/sinδ, 25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	1.00	AASHTO T315 ASTM P 246
Water Content, %	None	ASTM D 95



Rolling Thin Film Oven Test (RTFOT) Residue - ASTM D 2872

Characteristics	Typical Results	Test Method
Mass change, maximum, %	+ 1.00	AASHTO T240 ASTM D 2872
Dynamic Shear @ 82 °C, G*/sinδ, 25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	2.20	AASHTO T315 ASTM P 246
MSCR @ 82°C, Jnr@3.2 kPa, maximum	4.5	AASHTO T350
MSCR - Jnr diff, % (Recovery Percentage), maximum	75	AASHTO T350



Pressure Aging Vessel (PAV) Residue at 110 °C (AASHTO R28)

Characteristics	Typical Results	Test Method
Dynamic Shear @ 40 °C, G*/sinδ, 8 mm plate, 2 mm gap, at 10 rad/s, maximum kPa	5,000	AASHTO T315 ASTM P 246
Creep Stiffness, S, m-value, min. 0.300 @ 0 °C, at 60s, maximum, Mpa	300	AASHTO T313 ASTM P 245
Direct Tension, Failure Strain, @ 0 °C, at 1.0 mm/min., minimum, %	1.0	AASHTO T314 ASTM P 252



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