



Technical Data Sheet

AWAZEL PG ASPHALT 70-10 (CR)

Performance Graded Modified Asphalt Binder, with Crumb Rubber Polymer

Performance Graded Asphalt Binder, modified with Crumb Rubber; used in the construction and maintenance of pavements.

- Complies with the requirements of AASHTO M 320.
- Meets with MOT (Ministry of Transport) requirements

Note:

It is recommended to store the material in storage tank/s having agitation facility and mix before use. in order to avoid the deterioration of performance due to prolonged storing we recommend to store for a period 3-5 days only at a safe temperature of 160 -190°C.

Original Binder

Characteristics	Typical Results	Test Method
Flash Point (COC), minimum, °C	230	ASTM D 92 AASHTO T48
Viscosity at 135 °C, maximum, mPs.s (cP)	3,000	AASHTO T316 ASTM D 4402
Dynamic Shear @ 70 °C , G*/sinδ, 25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	1.00	ASTM P 246 AASHTO T315
Water Content, %	None	ASTM D 95
Separation - Difference in Softening Point between the top and bottom of the container, maximum °C	6	ASTM D 36 ASTM D 5976

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

Characteristics	Typical Results	Test Method
Mass Change, maximum, %	± 1.00	ASTM D 2872 AASHTO T240
Dynamic Shear @ 70 °C, G*/sinδ, 25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	2.20	ASTM D P 246 AASHTO T315

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

Characteristics	Typical Results	Test Method
Dynamic Shear @ 34 °C , G*/sinδ , 8 mm plate, 2 mm gap, at 10 rad/s, maximum kPa	5,000	ASTM P 246 AASHTO T315
Creep Stiffness, S, m-value, min. 0.300 @ 0 °C, at 60s, maximum, Mpa	300	ASTM P 245 AASHTO T313
Direct Tension, Failure Strain, @ 0 °C, at 1.0 mm/min., minimum, %	1.0	ASTM P 252 AASHTO T314

RP041604