



AIWIN POLYMER MODIFIED BITUMEN

PERFORMANCE GRADE / AIWIN PG 82-10



Performance Graded (Superpave™) Modified Asphalt Binder, complies with AASHTO M 320 and ASTM D 6373

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

- Complies with the requirements of AASHTO M 320 and ASTM D 6373.
- Meets the SHRP Super pave™ requirements.
- Meets with MOT (Ministry of Transport) requirements

AIWIN PMB is a polymer modified bitumen consisting of high-quality bitumen binder compounded with the highest quality elastomeric polymers and processed in a state of the art mixing plant to obtain a totally consistent and homogenous PMB meeting the requirements of performance grade super-pave system

AIWIN PMB PG 82-10 are generally composed of elastomeric, plastomeric compounds and performance enhancing additives to achieve the best elastic effect and other required properties for PMB.

Original Binder

CHARACTERISTICS	TPYICAL RESULTS	TEST METHOD
Flash Point (COC), minimum, °C	230	ASTM D 92 , AASHTO T48
Viscosity at 135°C, maximum, mPa.s (cP)	3,000	ASTM D 4402
Dynamic Shear@82°C, G*/sin,25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	1.00	ASTM D7175 AASHTO TP5
Water Content, %	None	ASTM D 95

Rolling Thin Film Oven Test (RTFOT) Residue

CHARACTERISTICS	TPYICAL RESULTS	TEST METHOD
Mass of Loss, maximum, %	1.00	ASTM D 2872 AASHTO T240
Dynamic Shear@82°C, G*/sin,25 mm plate, 1 mm gap, at 10 rad/s, minimum kPa	2.20	AASHTO TP5

Pressure Aging Vessel (PAV) Residue at 110 °C

CHARACTERISTICS	TPYICAL RESULTS	TEST METHOD
Dynamic Shear @ 40 °C , G*/sin , 8 mm plate, 2 mm gap, at 10 rad/s, maximum kPa	5,000	AASHTO TP5
Creep Stiffness, S, m-value, min. 0.300 @ 0°C, at 60s, maximum, Mpa	300	AASHTO TP1
Direct Tension, Failure Strain, @ 0 °C, at 1.0 mm/min., minimum, %	1.0	AASHTO TP3

This technical data complement to ASTM and EN standards

This product data sheet supersedes all previous data publication pertaining to this product

All values given refer to standard production within the usual factory tolerance

Aiwin reserve the right to change said values without advance notice but without affecting the quality of the product

Reissued in 2020

Made in Jordan



AIWIN
Arab Italian Waterproofing & Insulation Industries Co. W.L.L

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