

Product Technical Data Sheet

POLYMER MODIFIED ASPHALT PG 76 -10 E



Description and Physical Properties

PMB PG 76 -10 E meets the requirements in accordance with AASHATO M 320 and MP 19 specifications designed for pavement applications.

Uses

The polymer dosages and mix designs of the binder are selected, to ensure optimum performance to the climatic and traffic conditions that prevail on a particular project. Extensive research has shown that, the use of performance asphalts using polymer modified bitumen binders significantly increases stability, strength, anti-rutting properties and longer life-span, as demanded by the industry to meet today's and tomorrow's traffic conditions.

Application

Polymer Modified Bitumen PG76 -10 E can be used in asphalt mix designs which result in the manufacture of cohesive asphalt mix with good elasticity suitable for type of traffic with > 30 million ESALs . Special attention to maintain temperatures to be taken while manufacturing, lying and compaction are performed.

Typical Properties

PG 76 -10 E	MIN	MAX	Test Method
Flash Point, min, °C	230	-	ASTM D92
Viscosity at 135°C, max, Pa.s	-	3.0	ASTM D 4402
Separation Test G* at 76°C and 10 rad/s of Top and Bottom Specimens, Max, %	20	-	ASTM D 7173
MSCR Jnr 3.2 at 76°C, max, kPa,	-	0.5	ASTM D 7405
MSCR Recovery R 3.2 at 76°C and 3.2kPa, min, %	40.0	-	ASTM D 7405
Dynamic Shear, G* Sin δ at 37°C and 10 rad/s, max, kPa	-	6000	ASTM D7175
Bending Beam, S @ 0 °C and 60s, max, Mpa	-	300	ASTM D6648

* Stirring or circulation of storage tank before usage to ensure complete homogeneity and temperature distribution in tank

Storage

Stringent heating and handling procedures must be followed at all times. Refer to Woqod guidelines for handling and storage of PMB PG76 -10 E

Health And Safety

Treat as hot bitumen. Serious risk of burns. Follow personal hygiene and protection procedures at all times.

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