

## Product Technical Data Sheet

POLYMER MODIFIED BITUMEN PG 82 -22



### Description and Physical Properties

PMB PG 82 meets the requirements in accordance with PG 82 of ASTM D6373 and AASHATO M320 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 PG82 can be used in asphalt mix designs which result in the manufacture of cohesive asphalt mix with good elasticity suitable for type of traffic. Special attention to be taken to the temperatures while manufacturing, lying and compaction are performed. It also depends that asphalt plants as per project conditions and limitations.

### Typical Properties

Original Binder	UNIT	MIN	MAX	Test Method
Flash Point Temperature	°C	260	-	ASTM D 92
Viscosity at 135°C	Pa.s	-	4.0	ASTM D 4402
Softening Point, Ring & Ball	°C	70	-	ASTM D 36
Dynamic Shear ( $G^*/\sin \delta$ ) @ 10 rad/s at 82 °C	Kpa	1.0	-	AASHTOT315
Rolling Thin Film Oven(AASHTO T240 OR ASTM D872 Mass Loss	%wt	-	1.0	AASHTOT240
Dynamic Shear ( $G^*/\sin \delta$ ) @ 10 rad/s at 82 °C	Kpa	2.2	-	AASHTOT315

*\* 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 PG82.

### Health And Safety

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

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