

TECHNICAL DATA SHEET

POLYMER MODIFIED BITUMEN 10/40-65

IQTB-800-QL-TDS-0015

DESCRIPTION

Polymer Modified Bitumen (PMB) 10/40-65, in accordance with IS 15462:2019, is a high-performance binder specifically engineered to meet the demands of modern road construction. This PMB blend combines Bitumen with polymers to enhance resistance against permanent deformation, fatigue cracking, and low-temperature brittleness. Designed for the use in heavily trafficked pavements and challenging environmental conditions, PMB 10/40-65 ensures long-lasting durability and improved structural performance, making it an ideal choice for infrastructure exposed to intensive transport loads and harsh climates.



SPECIFICATIONS

Test	Specification	Unit	Test Method
Penetration @ 25°C	10-40	mm/10	ASTM D5
Softening Point (R & B)	65 Min	°C	ASTM D36
Fraas breaking point	-10 Max	°C	EN 12593
Flash point °C	220 Min	°C	ASTM D92
Viscosity at 150°C	1 to 3	Pa.s	ASTM D4402
Elastic Recovery of Half Thread in Ductilometer at 15°C	50 Min	%	ASTM D6084
Thin Film Oven Test & Test on Residue (ASTM D2872)			
Loss in Mass	1.0 Max	% Wt	ASTM D6
Reduction in Penetration of residue at 25 °C	35 Max	!%	ASTM D5
Increase in Softening Point	7 Max	°C	ASTM D36
Elastic recovery of half thread in ductilometer at 25°C	35 Min	!%	ASTM D6084

RECOMMENDED WORKING TEMPERATURES

-  Storing Temperature (°C): < 180
-  Mixing Temperature (°C): 140-160
-  Overheating limits (°C): < 190

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen PMB 10/40-65. To ensure this, an independent international inspection agency is arranged to verify both the quality and quantity of the Bitumen during vessel loading. Additionally, production is closely monitored by the Quality Control (QC) team through batch testing prior to shipment.

APPLICATIONS

PMB 10/40-65 is a hard-grade Polymer Modified Bitumen ideal for base and binder courses in high-stress areas, offering excellent resistance to deformation, cracking, and fatigue. Recommended for high-density traffic zones like crossroads, bus lanes, and parking areas, it is also widely used in highways, expressways, urban roads, hot mix asphalt, airport runways, waterproofing membranes, port pavements, and industrial zones.

PACKAGING

Our bitumen is available in a range of packaging options, including:

Jumbo bags	Flexitanks	Steel drums
 1 MT	 20 MT	 150kg 180kg 220kg

All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.



Complies with
IS 15462:2019