



PMB 40

(Polymer Modified Bitumen)

PRODUCT DATA SHEET

Polymer Modified Bitumen (PMB) 40, as per the Indian Standard IS 15462:2004, is a type of bitumen that is modified with polymers to improve its performance properties, specifically in terms of elasticity, strength, and resistance to high temperatures and loads.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	30-50	ASTM D5
Softening Point, Ring & Ball	°C	Min. 60	ASTM D36
Fraass Breaking Point	°C	Max. -16	EN 12593
Flash Point Cleveland open cup	°C	Min. 220	ASTM D92
Elastic Recovery at 15°C	%	Min. 30	ASTM D6084
Separation, Difference in Softening Point	°C	Max. 3	-
After Rolling Thin-Film Oven Test (RTFO)			
Loss on Heating	%Wt	Max. 1.0	ASTM D6
Increase in Softening Point	°C	Max. 5	ASTM D36
Drop in Penetration	%	Max. 35	ASTM D5
Elastic Recovery at 25°C	%	Min. 35	ASTM D6084

Quality:

Certification is conducted through our in-house testing laboratory, and witness testing protocols are available before cargo release. We ensure the quality of bitumen for every delivery by arranging for an international inspector to assess quality.

Application:

PMB 40 is a polymer-modified bitumen with a penetration grade of 40. It is designed to offer high resistance to rutting, cracking, and deformation under heavy traffic loads and extreme temperature variations. Its polymer modification enhances its elasticity, durability, and flexibility, making it suitable for highways, bridges, airport runways, urban roads, and heavy-duty pavements in hot climates or high-stress conditions.

Proper storage and handling are crucial for maintaining its quality and ensuring optimal performance.

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

For further information, please contact:

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Packaging:

New steel drums, reconditioned steel drums or eco-friendly Weatherproof packaging in poly bags and also in Bulk.

Steel Drums: 150Kg, 180Kg, 200Kg

Poly Bags: 300Kg, 1000Kg

Bulk: Bitumen Tank Container

Code Approvals/Compliance:

Meets IS 15462:2004

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