



Bitumen 80/100

(Penetration Grade Bitumen)

PRODUCT DATA SHEET

Bitumen 80/100 is a penetration grade bitumen that is widely used in the construction and maintenance of roads, as well as in various industrial applications. It is a semi-solid material produced by the distillation of crude oil, known for its adhesive and waterproofing properties.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	80-100	ASTM D5
Softening Point °C	°C	Min. 42	ASTM D36
Flash Point Cleveland open cup	°C	Min. 230	ASTM D92
Ductility @25°C, 5 cm/min	CM	Min. 100	ASTM D113
Solubility in Trichloroethylene	% Wt	Min. 99.0	ASTM D2042
After Thin-Film Oven Test			ASTM D1754
- Loss on Heating	%Wt	Max. 1.0	ASTM D6
- Retained Penetration	%	Min. 47	ASTM D5
- Ductility of residue @25°C (77°F), 5 cm/min	CM	Min. 75	ASTM D113
- Drop in Penetration	%	Max. 20	ASTM D5
Spot Test	-	Negative	AASHTO T102

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

Application:

Bitumen Grade 80/100 is commonly used to manufacture Asphalt Mixes, Cut-back Bitumen, Bitumen Emulsions and other Bituminous products.

Application Temperature

Storing: 120°C - 150°C.

Mixing: 140°C - 160°C.

Compacting: 110°C - 130°C.

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.

Packaging:

New steel drums, reconditioned steel drums, Weatherproof packaging in poly bags or Bulk in vessel.

Steel Drums : 180Kg, 200Kg

Poly Bags : 300Kg, 1000Kg

Bulk : Tank Containers

Code Approvals/Compliance:

Meets: MS 124: 2020

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