



# Bitumen 85/100

(Penetration Grade Bitumen)

## PRODUCT DATA SHEET

Bitumen 85/100 is a grade of penetration bitumen that is commonly used in road construction and other paving applications. It is commonly used in road construction, maintenance, and some industrial applications, making it an important material in the paving and construction industry.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	85-100	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	%	Min. 99.0	ASTM D2042
<b>After Thin-Film Oven Test</b>			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
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 85/100 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, or Weatherproof packaging in poly bags or Bulk in Bitumen Tank Container

Steel Drums : 180Kg, 200Kg

Poly Bags : 300Kg, 1000Kg

Bulk : Tank Containers

### Code Approvals/Compliance:

Meets: ASTM D946, AASHTO M 20-70(2004)

### Learn More

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