



Specification of Bitumen 200/300

Bitumen 200/300 is a soft penetration-grade bitumen produced from the vacuum distillation of crude oil. It complies with the requirements of ASTM D946 and EN 12591 for penetration-grade paving bitumen and is primarily used in road construction, asphalt mixtures, surface dressing, and pavement maintenance in cold and temperate climates.

Property	Test Method	Unit	Specification
Penetration @ 25°C, 100g, 5 sec	ASTM D5	0.1 mm	200 – 300
Softening Point (Ring & Ball)	ASTM D36	°C	35 – 45
Ductility @ 25°C	ASTM D113	cm	Min. 100
Flash Point (Cleveland Open Cup)	ASTM D92	°C	Min. 230
Solubility in Trichloroethylene	ASTM D2042	%	Min. 99.0
Loss on Heating (TFOT)	ASTM D6	% wt	Max. 0.5
Penetration after Heating	ASTM D5	% of Original	Min. 50
Specific Gravity @ 25°C	ASTM D70	g/cm ³	1.00 – 1.06
Spot Test	AASHTO T102	—	Negative
Water Content	ASTM D95	%	Max. 0.2

Typical Characteristics

- Excellent flexibility in cold climates
- High adhesion to mineral aggregates
- Good workability during asphalt mixing
- Suitable for low-temperature paving applications
- Excellent resistance to moisture penetration

Applications

- Asphalt pavement production
- Road construction
- Surface dressing
- Cold climate highways
- Road maintenance
- Asphalt concrete mixtures
- Airport pavements
- Waterproofing applications

Packing

Bitumen 200/300 is available in:

- 180 kg New Steel Drum
- 1 MT Jumbo Bag

Note: The values above represent the standard specification typically supplied for Bitumen 200/300. Slight variations may occur depending on the refinery and production batch. A Certificate of Analysis (COA) should accompany each shipment.