



Bitumen 80/100 Technical Specification

Property	Test Method	Unit	Specification
Penetration @ 25°C	ASTM D5	0.1 mm	80 – 100
Softening Point (Ring & Ball)	ASTM D36	°C	42 – 52
Ductility @ 25°C	ASTM D113	cm	Min. 100
Flash Point (COC)	ASTM D92	°C	Min. 230
Solubility in Trichloroethylene	ASTM D2042	wt.%	Min. 99.0
Specific Gravity @ 25°C	ASTM D70	g/cm ³	1.00 – 1.06
Loss on Heating (TFOT)	ASTM D6	wt.%	Max. 0.5
Retained Penetration after TFOT	ASTM D5	%	Min. 50
Increase in Softening Point after TFOT	ASTM D36	°C	Max. 9
Spot Test	AASHTO T102	–	Negative
Water Content	ASTM D95	wt.%	Max. 0.2

Typical Characteristics

- **Grade:** Penetration Grade Bitumen 80/100
- **Appearance:** Black, homogeneous solid or semi-solid
- **Odor:** Mild petroleum odor
- **Application Temperature:** 150–170°C
- **Storage Temperature:** 120–160°C
- **Packing:** 180 kg New Steel Drum, 150 kg Jumbo Bag, 1 MT Jumbo Bag, Bulk, Bitutainer

This specification complies with the typical requirements for penetration-grade **Bitumen 80/100** used in road construction, asphalt production, and waterproofing applications.