



GENERAL DATA SHEET

Penetration Grade Bitumen (80 / 100)

- **Characteristic:** Relatively low air blowing.
- **Application:** Bitumen Penetration Grade 80/100 is a standard penetration grade Bitumen usually used as a Paving Grade Bitumen suitable for road construction in cold areas and for production of asphalt pavements with superior properties. This grade of Bitumen is mainly used in manufacturing of hot mix asphalt for bases and wearing.
- **Specifications:**

Description	Unit	Specification	Test Method
Specific Gravity @ 25°C	(Kg/m ³)	1.00 - 1.05	ASTM - D - 70
Penetration @ 25°C	(0.1 mm)	80-100	ASTM - D - 5
Softening Point	(°C)	Min. 43	ASTM - D - 36
Ductility @ 25°C	(cm)	100 Min.	ASTM - D - 113
Loss on Heating	(% Wt)	0.5 Max.	ASTM - D - 6
Drop in Penetration after Heating	(%)	20 Max.	ASTM - D-6, D-5
Flash Point	(°C)	225 Min.	ASTM - D - 92
Bitumen Content in CS2	(% Wt)	99.5 Min.	ASTM - D - 4
Organic Matter Insoluble in CS2	(% Wt)	0.2 Max.	ASTM - D - 4
Spot Test	-----	Negative	A.A.S.H.O.T.102*

* American Association of State Highway Officials.