



## Bitumen Penetration Grade 85/100

Bitumen Penetration Grade 85/100 is a standard penetration grade Bitumen usually used as a Paving Grade Bitumen suitable for road construction and for the production of asphalt pavements with superior properties. This grade of Bitumen is mainly used in the manufacture of hot mix asphalt for bases and wearing courses.

### TECHNICAL SPECIFICATION

Analysis	Unit	Limit	Test Method
Density @ 25°C	kg/m <sup>3</sup>	1000-1050	ASTM D70 or D3289
Penetration @ 25°C	mm/10	85-100	ASTM D5
Softening Point	°C	45-52	ASTM D36
Ductility @ 25°C	cm	100 min	ASTM D113
Loss on heating	wt%	0.5 max	ASTM D6
Drop in penetration after heating	%	20 max	ASTM D5
Flash point	°C	232 min	ASTM D92
Solubility in Trichloroethylene	wt%	99.0 min	ASTM D2042
Spot test	---	Negative	A.A.S.H.O.T 102
Viscosity @ 60°C	P	1000±200	ASTM D 2171
Viscosity@135°C	cSt	250 min	ASTM D 2170
<b>Test on Residue From Thin Film Oven Test (ASTM D1754)</b>			
Retained Penetration after (T.F.O.T) , %	%	50 min	ASTM D5
Ductility , (25 °C),5cm/min , cm after TFOI	cm	75	ASTM D113
Viscosity @ 60°C	P	5000 max	ASTM D 2171