

TECHNICAL DATA SHEET BITUMEN VG 40

DESCRIPTION:

Bitumen Viscosity Grade 40 (Asphalt) is a standard grade bitumen usually used as a Paving Grade Bitumen which is suitable for road construction and to produce asphalt pavements with superior properties. It is produced during the process of oxidation of vacuum bottom in distillation tower and is categorized based on its viscosity grade. It is used in highly stressed areas such as intersections, near toll booths, and truck parking lots in lieu of the old 30/40 Penetration grade. Due to its higher viscosity, stiffer Bitumen mixes can be produced to improve resistance to shoving and other problems associated with higher temperature and heavy traffic loads. Bitumen Viscosity Grade 40 supplied by Wataniya Bitumen and Oil Refinery is a petroleum grade bitumen, manufactured from Biturox design and as specified by the methods described in ASTM Standard D3381-09.

PACKAGING:

Paving Bitumen is commonly packed in new steel drums, 150, 180 & 220 Kg barrels, and Jumbo Bags or Flexi tank. Likewise, the rest of the grades are ready to load Ex-work bulk Wataniya Bitumen by truck.

CHARACTERISTICS AND SPECIFICATIONS:

Wataniya Bitumen guarantees that the Bitumen Viscosity Grade 40 is produced in compliance and conformity to International Standards IS 73: 2013, ASTM 3381, and AASHTO M226 -80: 2008. Also, it meets the following specification requirements:

SPECIFICATIONS	UNIT	TEST METHOD	VG 40
Penetration at 25 °C, 100 g, 5sec	0.1 mm	ASTM D5	40 - 60
Kinematic Viscosity at 135 °C, Min	cSt	ASTM D2170	400
Absolute Viscosity at 60 °C	P	ASTM D2171	3200-4800
Flash Point (Cleveland Open Cup), Min	°C	ASTM D92	220
Solubility in Trichloroethylene, Min	%Wt.	ASTM D2042	99
Specific Gravity@ 25 °C	g/cm ³	ASTM D 70	1.01 – 1.06
Softening Point (R&B), Min	°C	ASTM D36	50
Ductility at 25 °C, Min	cm	ASTM D113	100
TESTS ON RESIDUE FROM ROLLING THIN-FILM OVEN TEST ASTM D2872			
Viscosity Ratio at 60 °C, Max	--	ASTM D2171	4
Ductility at 25 °C, Min	cm	ASTM D113	25
Spot Test	A.A.S.H.T.O. T102		Negative

Address:

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