



Bitumen Grade: 40-60

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946 Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	40	60	2950	D5
3	Softening point (°C)	48	56	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Kinematic viscosity at 135°C (Cst)	-	-	12855	D2170
8	Dynamic viscosity at 60 °C (poise)	-	-	12851	D2171
9	Penetration index	-1.5	0.7	EN12607-1	-
10	Spot test	Negative	Negative	2949	AASH TO102
	Thin Film oven test ,163°C,3.2mm,for 5hrs	-	-	2957	1754
11	Ductility at 25°C , 5cm/min, cm	50	-	-	D113
12	Retained penetration, %	50	-	-	D5



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