



## MODIFIED VG-40 BITUMEN

### APPLICATIONS:

VG-40M is a modified VG Grade bitumen, conforming to IS: 73-2013, specially designed & developed to provide high performance over a wide range of different highway applications. The product can be used in DBM / BC layers. It is designed with greater absolute viscosity at 60°C under IS 1206 (Part-2) to overcome issues of rutting observed at higher temperatures.

**PRODUCT SPECIFICATIONS:** The product is manufactured as per IS: 73:2013.

### AVAILABLE GRADES:

- VG-40M

### BENEFITS:

- VG 40 M would have high resistance to deformation at elevated pavement temperatures.
- Lower susceptibility to daily & seasonal temperature variations.
- Enhancing the overall durability of Pavement by withstanding the severe overloading traffic conditions.

### REQUIREMENTS OF MODIFIED VG-40 BITUMEN

Characteristics	Test Method	Unit of Measurement	Specification (IS: 73:2013)		Test Results
			Min	Max	
Penetration at 25°C, 0.1mm,100gm,5Sec.z	IS 1203-1978	-	35	-	39.5
Softening Point, (R & B)	IS 1205-1978	°C	50	-	52.8
Kinematic Viscosity at 135°C	IS 1206(Part-3)		400	-	578
Flash Point, COC	IS 1209-1978	°C	220	-	318
Absolute Viscosity at 60°C	IS 1206(Part-2)	Poise	3800	4800	4120
Solubility in trichloroethylene	IS 1216-1978	%	99	-	99.3
RTFO Test					
a) Viscosity Ratio @60°C	IS 1206(Part-2)	-	-	4	2.21
b) Ductility @ 25°C	IS 1208-1978	Cm	25	-	67

**PACKING: VG-40M IS AVAILABLE IN BULK.**

### FOR TECHNICAL QUERIES, PLEASE CONTACT:

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