



Bitumen VG30 Specification

Product Name: Bitumen VG30

Grade: Viscosity Grade 30

Product Type: Paving Grade Bitumen

Appearance: Black, semi-solid petroleum material

Application: Road construction and asphalt paving

Technical Specification of Bitumen VG30

Test Parameter	Test Method	Specification
Absolute Viscosity at 60°C	IS 1206 (Part 2)	2400–3600 Poise
Kinematic Viscosity at 135°C	IS 1206 (Part 3)	Min. 350 cSt
Penetration at 25°C, 100 g, 5 sec	IS 1203	Min. 45 dmm
Softening Point (Ring & Ball)	IS 1205	Min. 47°C
Flash Point (Cleveland Open Cup)	IS 1448 (P:69)	Min. 220°C
Solubility in Trichloroethylene	IS 1216	Min. 99.0%
Viscosity Ratio at 60°C after TFOT	IS 1206 (Part 2)	Max. 4.0
Ductility at 25°C after TFOT	IS 1208	Min. 40 cm

Typical Applications

Bitumen VG30 is widely used for:

- Highway and expressway construction
- Heavy-duty asphalt pavements
- Hot Mix Asphalt (HMA)
- Airport runways
- Urban and arterial roads
- Asphalt concrete production
- Road rehabilitation and maintenance

Product Description

VG30 Bitumen is a viscosity-graded paving bitumen manufactured from carefully selected crude oil through the petroleum refining process. Its viscosity characteristics provide good binding, durability and resistance to deformation under traffic loads.

VG30 is commonly selected for road construction where pavement is exposed to **heavy traffic and relatively high operating temperatures**. Compared with softer viscosity grades such as VG10, VG30 provides greater stiffness and improved resistance to rutting and permanent deformation.

Packing Options

Bitumen VG30 can typically be supplied in:



- New steel drums
- Used/reconditioned steel drums
- Jumbo bags
- Bitubags
- Bulk tanker
- Bitutainer

Storage and Handling

VG30 should be stored in suitable heated bitumen tanks and protected from water contamination. Excessive heating should be avoided because prolonged exposure to high temperatures can affect product properties and increase bitumen-fume generation.

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Note: The values shown above represent a commonly used VG30 specification based on viscosity-grade paving bitumen requirements. Actual specifications and test methods should be confirmed against the applicable contract, national standard, and refinery Certificate of Analysis (COA).