



Technical Data Sheet (TDS) – VG 30 Bitumen

Product Identification

- **Product Name:** VG 30 Bitumen
 - **Bitumen Type:** Viscosity Grade Bitumen
 - **CAS Number:** 8052-42-4
 - **HS Code:** 27132000
 - **UN Number:** UN 3257
 - **Country of Origin:** Iran
 - **Producer:** PetroGold Bitumen Refinery – Fully Integrated
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Product Description

VG 30 Bitumen is a standard-grade, high-performance viscosity bitumen commonly used in road construction in moderate to hot climates. Equivalent to Penetration Grade 60/70, VG 30 offers excellent resistance to rutting and deformation, making it ideal for highways, heavy-traffic roads, and runways.

Key Features

- Excellent resistance to traffic loads
 - Durable in moderate to high temperatures
 - Strong adhesion and compaction performance
 - Superior performance on highways and main roads
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Technical Specifications

Property	Test Method	Unit	Typical Value	Specification
Viscosity @ 60°C	ASTM D2171	poise	2500	2400–3200
Viscosity @ 135°C	ASTM D2170	cSt	400	Min 350
Penetration @ 25°C	ASTM D5	dmm	55	50–70
Softening Point	ASTM D36	°C	50	Min 47
Ductility @ 27°C	ASTM D113	cm	>100	Min 75
Flash Point (COC)	ASTM D92	°C	>250	Min 220
Solubility in Trichloroethylene	ASTM D2042	%	99.5	Min 99.0
Loss on Heating (163°C, 5 hrs)	ASTM D6	%	0.2	Max 1.0
Retained Penetration after Heating	ASTM D5/D6	%	60	Min 50
Specific Gravity @ 25°C	ASTM D70	–	1.03	1.00–1.05
Water Content	ASTM D95	%	<0.05	Max 0.1

Applications

- Highways and national expressways
- Runways and industrial pavements
- Dense Bituminous Macadam (DBM), Bituminous Concrete (BC)
- Regions with heavy traffic and moderate to hot climates