Catalyst Petrochem LLP

TECHNICAL DATA SHEET
Generated 18 Nov 2026

BITUMEN VG-40

IS 73 : 2013 | Packaging: Bulk, MS Drums | Bituminous Products

PRODUCT OVERVIEW

High-stiffness paving bitumen for extreme traffic and high-temperature zones. NHAI source-approved for NHDP Phase IV corridors.

APPLICATIONS

Expressways & NH corridors · High-temperature zones · Heavy axle-load sections

IS 73:2013 — PAVING BITUMEN (VISCOSITY GRADED)

Property	VG-10	VG-30	VG-40
Penetration @25°C, 100g, 5s (0.1mm, Min)	80	60	45
Absolute viscosity @60°C (Poises)	800–1200	2400–3600	3200–4800
Kinematic viscosity @135°C (cSt, Min)	250	350	400
Flash point, COC (°C, Min)	220	220	220
Solubility in trichloroethylene (%, Min)	99.0	99.0	99.0
Softening point, R&B (°C, Min)	40	47	50
Viscosity ratio @60°C (Max)	4.0	4.0	4.0
Ductility @25°C (cm, Min)	75	40	25

Catalyst Petrochem LLP · KD-197, Pitampura, Kohat Enclave Metro Station, Delhi-110034, India
+91 98712 94951 · +91 88006 53892 · info@catalystpetrochemllp.com · IEC 0517501902 · ISO 9001:2015 Certified