CLASS: VISCOSITY GRADE

VISCOSITY GRADE VG40

PAVING GRADE ASPHALT CEMENT

DESCRIPTION

HOMAN Viscosity Grade VG-40 is a high-stiffness paving bitumen for very heavy traffic loads and highly stressed areas.

KEY FEATURES

- Stiffest IS 73 grade (min 3200 P at 60 °C)
- Resists shoving under slow, heavy loads
- Used in place of 30/40 under IS 73

PRIMARY APPLICATIONS

- Intersections, toll plazas, and truck weigh stations
- Extremely heavy traffic highways
- Bus lanes and dedicated transit corridors

INDEPENDENT VERIFICATION

SGS / EQUIVALENT

INDEPENDENT INSPECTION

Pre-shipment inspection by **SGS** or an equivalent independent inspector available on request. A Certificate of Analysis (COA) is issued for every batch.

AVAILABLE PACKING

- NEW STEEL DRUM (180 KG)
- JUMBO BAG (1 MT)
- FLEXITANK (20 MT)
- BULK VESSEL

RECOMMENDED: Jumbo Bag — 20 MT per 20ft, zero residue at asphalt plants.

SPECIFICATION LIMITS · IS 73:2013 · VG-40

SPECIFICATION	TEST METHOD	UNIT	LIMIT
Absolute viscosity at 60 °C	ASTM D2171	P	3200–4800
Kinematic viscosity at 135 °C	ASTM D2170	cSt	Min 400
Penetration at 25 °C, 100 g, 5 s	ASTM D5	0.1 mm	Min 35
Softening point (R&B)	ASTM D36	°C	Min 50
Flash point (Cleveland open cup)	ASTM D92	°C	Min 220
Solubility in trichloroethylene	ASTM D2042	% m/m	Min 99.0
Specific gravity at 27 °C	ASTM D70	—	Min 0.99
TESTS ON RTFOT RESIDUE (ASTM D2872)			
Viscosity ratio at 60 °C	ASTM D2171	—	Max 4.0
Ductility at 25 °C	ASTM D113	cm	Min 25

HS CODE
2713.20

ORIGIN
Iran

HANDLING
Heat in controlled-temperature tanks; avoid local overheating.

SAFETY
SDS on request

CONTACT
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Values are specification limits per the stated standard; actual results are reported per batch on the Certificate of Analysis (COA).