

## TECHNICAL DATA SHEET

### VG GRADE BITUMEN

**Note:** Viscosity Grade Bitumen is a standard grade Bitumen especially used as a Paving Grade Bitumen suitable for road construction and for the production of asphalt pavements with superior properties. This mainly uses in manufacture of hot mix asphalt for bases-wearing courses, possesses characteristics, qualities unique and quite different from other agents.

| Specification                       | Exact Grade |           |           |           | Test Method |
|-------------------------------------|-------------|-----------|-----------|-----------|-------------|
|                                     | VG 10       | VG 20     | VG 30     | VG 40     |             |
| Penetration@25C                     | 80          | 60        | 45        | 35        | IS203       |
| Absolute Viscosity@60C,Poises       | 800-1200    | 1600-2400 | 2400-3600 | 3200-4800 | IS1206      |
| Kinematic Viscosity@135C            | 250         | 300       | 350       | 400       | IS1206      |
| Flash point C                       | 220         | 220       | 220       | 220       | IS1448      |
| Solubility in CS <sub>2</sub> (wt)% | 99.0        | 99.0      | 99.0      | 99.0      | IS1216      |
| Softening Point                     | 40          | 45        | 47        | 50        | IS1205      |
| Viscosity ratio @60 C               | 4           | 4         | 4         | 4         | IS1206      |
| Ductility@25C                       | 75          | 50        | 40        | 2         | IS1208      |

