

TECHNICAL DATA SHEET

Penetration Grade Bitumen 80/100

Description

Penetration grade bitumen 80/100 is penetration graded asphalt derived from specially selected crude oils via controlled refining process. Penetration Test determines the hardness of Bitumen by measuring the depth (in tenths of a mm) to which a standard, and loaded needle will vertically penetrate in 5 seconds, a sample of Bitumen maintained at a temperature of 25 deg C (77deg F). Hence the softer the bitumen, the greater will be its number of penetration units. (80/100, 60/70, 40/50).

Technical Data

| PARAMETER | VALUE | TEST METHOD |
|--------------------------------|-----------|------------------|
| Specific Gravity @ 25/25 deg C | 1.01/1.06 | D-70 |
| Penetration @ 25 deg C | 80/100 | D-5 |
| Softening Point deg C | 45/52 | D-36 |
| Ductility @25 deg C | 100 min | D-113 |
| Loss on Heating (wt)% | 0.5 max | D-6 |
| Drop in Penetration % | 20 max | D-6 & D-5 |
| Flash Point deg C | 225 min | D-92 |
| Solubility in CS2 (wt)% | 99.5 min | D-4 |
| Spot test | Negative | *A.A.S.H.O.T.102 |

Packing

Steel drums, Poly bags

Health & Safety

- Contains petroleum distillate; flammable: keep away from open fire, sparks or other ignition sources; wear protective clothing, gloves and goggles.
- Skin –avoid repeated or prolonged contact, if occurs remove with hand cleaner that removes oil or grease, then clean with soap and water
- Eyes contact could cause irritation, if contact occurs flush immediately with clean water
- Inhalation can cause dizziness, move immediately in fresh air if dizzy and if breathing difficulty persists administer oxygen.