



## PRODUCT TECHNICAL DATA SHEET

### PENETRATION GRADE BITUMEN 60/70

#### DESCRIPTION

Bitumen 60/70 is produced from the vacuum distillation of crude oil and is classified according to its Penetration Grade.

Bitumen 60/70 is used for Construction of Road Runways and other pavement applications. This Grade is mainly used in the manufacture of hot mix asphalt for base and wearing courses. It is homogenous and does not foam when heated to 174°C.

60/70 Penetration Grade Bitumen is a thermoplastic material which softens gradually as it is heated and hardens as is cooled.

#### SPECIFICATION

Bitumen 60/70 conforms to ASTM D946 / D946M, AASHTO M20-70 specification for Penetration Grade Bitumen.

BINDER PROPERTIES	TEST METHOD	UNIT	SPECIFICATION
Density @ 25°C	ASTM D70	°C	1.01 – 1.06
Penetration @ 25°C, 100g, 5s	ASTM D5	1/10mm	60 – 70
Softening Point	ASTM D36	°C	48 – 56
Ductility @ 25°C , 5 cm / min	ASTM D113	cm	100
Loss on Heating	ASTM D6	%	0.2
Drop in Penetration after Heating	ASTM D5	%	20
Flash Point	ASTM D92	°C	250
Solubility in Trichloroethylene	ASTM D2042	%	99.0
Spot Test	AASHTO 102		Negative
<b>Performance after RTFOT Method Test – ASTM D1754</b>			
Change in mass	ASTM D2872	%	-
Retained Penetration @ 25°C, 100g, 5s	ASTM D5	%	Min 52
Increase in Softening Point	ASTM D36	°C	Max 8
Ductility @ 25°C , 5 cm / min	ASTM D113	cm	Min 50

**PACKAGE :** Drums, Bitu-bags, Bulk in Road Tankers & Bitutainer Units, Bulk

#### HEALTH & SAFETY

- Contains flammable petroleum distillate – keep away from open fire or any other ignition source. Wear Protective Clothing, Gloves and Goggles.
- Eye Contact – May cause irritation, if occurs flush immediately with clean water.
- Inhalation – can cause dizziness. Move immediately in fresh air, seek medical treatment if dizziness persists.