



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Bitumen 60/70 Specifications

Bitumen 60/70	Test method	Unit	Specification
Specific gravity @ 25°C	ASTM D70	Kg/cm3	1.01/1.06
Penetration @ 25°C	ASTM D5	mm/10	60/70
Softening point °C	ASTM D36	°C	49/56
Ductility @25 °C	ASTM D113	cm	100 min
Loss on heating(wt) %	ASTM D6	wt %	0.2 max
Drop in penetration after heating %	ASTM D5-D6	%	20 max
Flashpoint °C	ASTM D92	°C	232 min
Solubility in Trichloroethylene	ASTM D2042	wt %	99 min
Spot test	A.A.S.H.O.T102		Negative

❖ Applications of Bitumen 60/70

- **Road Construction:**
Used as a binder in asphalt concrete for highways, runways, and other road surfaces.
- **Waterproofing:**
Due to its impermeable nature, it is widely used in roof coverings and basement sealing.
- **Industrial Applications:**
Utilized in the manufacturing of paints, coatings, and adhesives.

❖ Key Benefits

- High durability and resistance to deformation under traffic loads.
- Excellent adhesive properties for aggregate binding.
- High weather resistance and longevity under varying climate conditions.



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