



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Iraq Bitumen Penetration Grade 50/70 Specifications

Properties	Test method	Unit	Specification
Penetration – 25°C, 100g, 5s	ASTM D5	mm	50-70
Softening Point	ASTM D36	°C	49/58
Ductility At 25°C(Min)	ASTM D113	Cm	100
Solubility in Xylene	ASTM D2042	%	99 Min
Flashpoint (Cleveland Open)	ASTM D92	°C	240 Min
loss on Heating(Max)	ASTM D6	%	1 Max
Retained Penetration 25°C, 100g, 5s (% of original)	ASTM D5	%	52 Min
Increase in softening point	ASTM D36	°C	10 Max

Special Applications

- 1. Bridge Decks and Flyovers:** Employed in the construction of bridge decks and flyovers, where materials need to accommodate structural movements and heavy loads
- 2. Sports Courts and Playgrounds:** Used in the construction of sports courts and playgrounds, providing a smooth and resilient playing surface.
- 3. Cycle Paths and Footpaths:** Suitable for paving cycle paths and footpaths, ensuring a smooth and durable surface for pedestrians and cyclists.



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