



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Specifications Bitumen C170

DESCRIPTION	UNIT	MIN	MAX	TEST METHOD
Viscosity at 60° C	Pa.s	140	200	AS2341-2
Viscosity at 135° C	Pa.s	0.25	0.45	AS2341.4
Penetration 100g, 5s @ 25°C (p.u)	mm	62	-	AS2341.12
Binder Density @ 15°C	kg/m3	1000	-	AS2341.7
Matter Insoluble in Toluene	%	-	1	AS2341.8
Flash Point, Cleveland Open Cup	°C	250	–	ASTM D92
Viscosity at 60° C (% of the original After RTFO treatment)	%	-	300	AS2341.10 AS231.2

❖ Applications of Bitumen C170:

1. Road Construction
2. Waterproofing
3. Industrial Coatings
4. Adhesives and Sealants
5. Asphalt for Roads and Airfields
6. Rubber-Modified Bitumen

❖ Key Characteristics of Bitumen C170:

- **Moderate Penetration:** Offers a balance between flexibility and stability, making it suitable for a variety of road construction and industrial applications.
- **Good Durability:** Provides a long-lasting solution, particularly in medium-traffic zones.
- **Workability:** Easier to handle and mix compared to higher-viscosity bitumens, ensuring efficient application.



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