



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Specifications Bitumen C450

DESCRIPTION	UNIT	MIN	MAX	TEST METHOD
Viscosity at 60° C	Pa.s	Report	Report	AS2341-2
Viscosity at 135° C	Pa.s	-	0.7	AS2341.4
Penetration 100g, 5s @ 25°C (p.u)	mm	Report	Report	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)	%	750	1150	AS2341.10 AS231.2
Penetration 100g, 5s @ 25°C After RTFO treatment	Mm	26	-	AS2341.10

❖ Key Characteristics of Bitumen C450:

- **High Penetration:** This makes Bitumen C450 flexible and adaptable to different conditions, providing strong adhesion to surfaces and good resistance to cracking under temperature variations.
- **Good High-Temperature Performance:** C450 has a high softening point, which means it performs well in hot climates, providing stability and resistance to rutting and deformation.
- **Excellent Durability:** Known for its excellent weathering resistance, making it ideal for applications exposed to extreme environmental conditions..



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