

Viscosity Grade Bitumen

	Specification				Test Method
	VG 0	VG 30	VG 20	VG 10	
Absolute Viscosity at 60°C, Poises	Min. 3200	Min. 2400	Min. 1600	Min. 800	IS 1206 (Part 2)
Kinematic Viscosity at 135°C, cSt	Min. 400	Min. 350	Min. 300	Min. 250	IS 1206 (Part 3)
Flash Point (Cleveland Open Cup,) °C	Min. 220	Min. 220	Min. 220	Min. 220	IS 1209
Solubility in trichloroethylene, %	Min. 99	Min. 99	Min. 99	Min. 99	IS 1206
Softening Point.(R&B), °C	Min. 50	Min. 47	Min. 45	Min. 40	IS 1205
Penetration @ 25°C, 0.1 mm 100 gm, 5 sec.	40-60	50-70	60-80	80-100	IS 1203
Testson residue from thin film oven tests/RTFOT					
i) Viscosity ratio at 60°C	Max. 4.0	Max. 4.0	Max. 4.0	Max. 4.0	IS 1206 (Part 2)
ii) Ductility at 25°C, cm, after thin-film oven test	Min. 25	Min. 40	Min. 50	Min. 75	IS 1208
Specific Gravity @ 27/27 °C	Min. 0.99	Min. 0.99	Min. 0.99	Min. 0.99	IS 1202
Conforms to BIS (IS 73:2006) Specifications					