

IN THE NAME OF GOD



SHIRAZ OIL REFINING CO.

Viscosity Grade Bitumen Specifications

Test	Method	Unit	Results range			
			VG 10	VG 20	VG 30	VG 40
Absolute viscosity at 60°C	IS 1206 part 2	Poise	min. 800	min. 1600	min. 2400	min. 3200
Kinematic viscosity at 135°C	IS 1206 part 3	cSt.	min. 250	min. 300	min. 350	min. 400
Flash point (open cup)	IS 1209	°C	min. 220	min. 220	min. 220	min. 220
Solubility in trichloroethylene	IS 1206	%	min. 99	min. 99	min. 99	min. 99
Softening point	IS 1205	°C	min. 40	min. 45	min. 47	min. 50
Penetration at 25°C	IS 1203	mm/10	80-100	60-80	50-70	40-60
Test on residue from thin film oven tests - RTFOT						
Specific gravity at 27/27°C	IS 1202	-	min. 99	min. 99	min. 99	min. 99
Viscosity ratio at 60°C	IS 1206 part 2	-	max. 4.0	max. 4.0	max. 4.0	max. 4.0
Ductility at 25°C	IS 1208	cm	min. 75	min. 50	min. 40	min. 25

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