



VG 20

BITUMEN SPECIFICATION

Viscosity Grade Analysis

Specification	Acceptable Range	Result	Test Method	Explanations
Absolute Viscosity	Min 1600	1922	ASTM – D4402	at 60°C , Poises
Kinematic Viscosity	Min 300	317	ASTM – D4402	at 135°C , c.st
Ductility	Min 100	>100	ASTM – D113	at 25°C , cm
Solubility	99.0 Min	99.8	ASTM – D2042	in CCL4 , %
Specific Gravity	1.01-1.06	1.022	ASTM – D70	at 25°C
Spot Test	Negative	Negative	T102	in Naphtha
Flash Point	220 Min	332	ASTM – D92	°C
Penetration	60-80	70	ASTM – D5	at 25°C , mm/10
Softening Point	Min 45	47.8	ASTM – D36	°C
Test on Residue From Thin Film Oven Test (T.F.O.T)				
Raito Viscosity	Max 4.0	1.9	ASTM – D4402	at 60°C , %
Ductility	Min 50	76	ASTM – D113	at 25°C , cm