

Bitumen specification

Viscosity grade analysis

VG10

Specification	Acceptable Range	Result	Test Method	Explanation
Absolute Viscosity	Min 800	1164	ASTM – D4402	at 60°C , Poises
Kinematic Viscosity	Min 250	287	ASTM – D4402	at 135°C , c.st
Ductility	Min100	>100	ASTM – D113	at 25°C , cm
Solubility	99.0 Min	99.8	ASTM – D2042	in CCL4 , %
Specific Gravity	1.01-1.06	1.01	ASTM – D70	at 25°C
Spot Test	Negative	Negative	T102	in Naphtha
Flash Point	220 Min	334	ASTM – D92	°c
Penetration	80-100	91	ASTM – D5	at 25°C , mm/10
Softening Point	Min 40	45.2	ASTM – D36	°c
Test on Residue From Thin Film Oven Test (T.F.O.T)				
Raito Viscosity	Max 4.0	2.1	ASTM – D4402	at 60°C , %
Ductility	Min 75	89	ASTM – D113	at 25°C , cm

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