

Bitumen Specification

Penetration Grade Analysis 40/50

Specification	Acceptable Range	Result	Test Method	Explanations
Penetration	40-50	47	ASTM – D5	at 25°c , mm/10
Softening Point	52-60	53.6	ASTM – D36	°c
Ductility	+100	>100	ASTM – D113	at 25°c , cm
Solubility	99.0 Min	99.7	ASTM – D2042	in CCL4 , %
Specific Gravity	1.01-1.06	1.028	ASTM – D70	at 25°c
Spot Test	Negative	Negative	T 102	in Naphtha
Flash Point	220 Min	344	ASTM – D92	°c
Kinematic Viscosity	426	ASTM – D4402	at 135°c , c.st
Absolute Viscosity	3912	ASTM – D4402	at 60°c , Poises
Test on Residue From Thin Film Oven Test (T.F.O.T)				
Drop in Penetration	20 Max	6.3	ASTM – D5&D6	%
Mass loss	0.2 Max	0.07	ASTM – D6	Wt%

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