



## Bitumen Specification

### Penetration Grade Analysis (40 / 50)

Specification	Acceptable Range	Result	Test Method	Explanations
<b>Penetration</b>	40-50	47	ASTM – D5	at 25°c , mm/10
<b>Softening Point</b>	52-60	53.6	ASTM – D36	°c
<b>Ductility</b>	+100	>100	ASTM – D113	at 25°c , cm
<b>Solubility</b>	99.0 Min	99.7	ASTM – D2042	in CCL4 , %
<b>Specific Gravity</b>	1.01-1.06	1.028	ASTM – D70	at 25°c
<b>Spot Test</b>	Negative	Negative	T102	in Naphtha
<b>Flash Point</b>	220 Min	344	ASTM – D92	°c
<b>Kinematic Viscosity</b>	....	426	ASTM – D4402	at 135°c , c.st
<b>Absolute Viscosity</b>	....	3912	ASTM – D4402	at 60°c , Poises
<b>Test on Residue From Thin Film Oven Test (T.F.O.T)</b>				
<b>Drop in Penetration</b>	20 Max	6.3	ASTM – D5&D6	%
<b>Mass Loss</b>	0.2 Max	0.07	ASTM – D6	Wt%