

**Requirement for Asphalt cement ASTM D946
Product Specifications Bitumen 40-50**

Analysis	Unit	Limit	Test Method
Density @ 25°C	kg/m ³	1010-1060	ASTM D70 or D3289
Penetration @ 25°C	mm/10	40-50	ASTM D5
Softening point	°C	49 min	ASTM D36
Ductility @ 25°C	cm	100 min	ASTM D113
Loss on heating	wt%	0.2 max	ASTM D6
Drop in penetration after heating	%	20 max	ASTM D5
Flash point	°C	230 min	ASTM D92
Solubility in Trichloroethylene	wt%	99.0 min	ASTM D2042
Spot test	---	Negative	AASHTO T102
Dynamic Viscosity @ 60°C	Pa.S	400±80	ASTM D2171
Kinematic Viscosity @ 135°C	cSt	400 min	ASTM D2170
Wax Content	%	2 max	DIN EN 12606-1

Tests on residue from thin film oven Test (ASTM D1754)

Retained Penetration after (T.F.O.T), %	%	55 min	ASTM D5
Viscosity @ 60°C	Pa.S	2000 max	ASTM D2171