

BITUMEN 80/100

Characteristic	Value	Test method
Specific gravity @ 25/25 °C	1.00-1.05	ASTM D-70
Penetration @ 25 °C	80-100	ASTM D-5
Softening point °C	43 min	ASTM D-36
Ductility @ 25 °C	100	ASTM D-113
Loss on Heat % wt	0.5 max	ASTM D-6
Drop in Penetration after Heating %	20 max	ASTM D-6 & D-5
Flash point °C	225 min	ASTM D-92
Solubility in CS2 %wt	99 min	ASTM D-4
Penetration Index	-0.8 to +0.7	—
Spot Test	negative	A.A.S.H.O.T.102*

BITUMEN 50/70

Characteristic	Value	Test method
Specific gravity @ 25/25 °C	1.01-1.06	ASTM D-70
Penetration @ 25 C 100 gm, 5 sec	1/10 mm	ASTM D-5
Softening point °C	49-56	ASTM D-36
Ductility @ 25 °C	MIN 100	ASTM D-113
Loss on Heat % wt	0.2 max	ASTM D-6
Drop in Penetration after Heating %	20 max	ASTM D-6 & D-5
Flash point °C	250 min	ASTM D-92
Solubility in CS2 %wt	99.5 min	ASTM D-4
Softening point R&B	49-56 C	ASTM D-36
Spot Test	negative	A.A.S.H.O.T.102*

BITUMEN 60/70

Characteristic	Value	Test method
Specific gravity @ 25/25 °C	1.01-1.06	ASTM D-70
Penetration @ 25 °C	60-70	ASTM D-5
Softening point °C	49-56	ASTM D-36
Ductility @ 25 °C	100	ASTM D-113
Loss on Heat % wt	0.2 max	ASTM D-6
Drop in Penetration after Heating %	20 max	ASTM D-6 & D-5
Flash point °C	250 min	ASTM D-92
Solubility in CS2 %wt	99.5 min	ASTM D-4
Organic Matter Insoluble in CS2	0.2 max	ASTM D-4
Spot Test	negative	A.A.S.H.O.T.102*

BITUMEN 85/100

Characteristic	Value	Test Method
Specific gravity @ 25/25° C	1.01~1.05	D~70
Penetration @ 25° C	85/100	D~5
Softening point ° C	45/52	D~36
Ductility @ 25° C	100 min	D~113
Loss on Heating (wt) %	0.5 max	D~6
Drop in Penetration after Heating %	20 max	D~6 & D~5
Flash point ° C	250 min	D~92
Organic Matter Insoluble in Cs2 (wt) %	0.2 max	D~4
Solubility in Cs2 (wt) %	99.5 min	D~4
Spot Test	Negative	*A.A.S.H.O.T.102