

Analysis Of Bitumen 40/50

SPECIFICATION	Unti	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 D 113
LOSS ON HEATING	wt%	0.2 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	20 max	ASTM D5
FLASH POINT	C	232 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	4000±800	ASTM D2171
VISCOSITY @ 135C	Cst	400 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	58 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	50	ASTM D113
VISCOSITY @ 60C	P	20000 max	ASTM D2171

Analysis Of Bitumen 60/70

SPECIFICATION	Unti	Limit	TEST METHOD
DENSITY @ 25 C	kg/m ³	1010-1060	ASTM D70 or D3289
PENETRATION @ 25 C	Mm/10	60-70	ASTM D5
SOFTENING POINT	C	49 min	ASTM D36
DUCTILITY@ 25 C	Cm	100 min	ASTM D 113
LOSS ON HEATING	wt%	0.2 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	20 max	ASTM D5
FLASH POINT	C	232 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	2000±400	ASTM D2171
VISCOSITY @ 135C	Cst	300 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	54 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	50	ASTM D113
VISCOSITY @ 60C	P	10000 max	ASTM D2171

Analysis Of Bitumen 85/100

SPECIFICATION	Unti	Limit	TEST METHOD
DENSITY @ 25 C	kg/m ³	1000-1050	ASTM D70 or D3289
PENETRATION @ 25 C	Mm/10	85-100	ASTM D5
SOFTENING POINT	C	42 min	ASTM D36
DUCTILITY@ 25 C	Cm	100 min	ASTM D 113
LOSS ON HEATING	wt%	0.5 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	20 max	ASTM D5
FLASH POINT	C	232 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	1000±200	ASTM D2171
VISCOSITY @ 135C	Cst	250 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	50 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	75	ASTM D113
VISCOSITY @ 60C	P	5000 max	ASTM D2171

Analysis Of Bitumen 120/150

SPECIFICATION	Unti	Limit	TEST METHOD
DENSITY @ 25 C	kg/m ³	1000-1050	ASTM D70 or D3289
PENETRATION @ 25 C	Mm/10	120-150	ASTM D5
SOFTENING POINT	C	38 min	ASTM D36
DUCTILITY@ 25 C	Cm	100 min	ASTM D 113
LOSS ON HEATING	wt%	0.5 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	20 max	ASTM D5
FLASH POINT	C	218 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	450±90	ASTM D2171
VISCOSITY @ 135C	Cst	170 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	46 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	100	ASTM D113
VISCOSITY @ 60C	P	2250 max	ASTM D2171

Analysis Of Bitumen 150-200

SPECIFICATION	Unti	Limit	TEST METHOD
DENSITY @ 25 C	kg/m ³	1000-1050	ASTM D70 or D3289
PENETRATION @ 25 C	Mm/10	150-200	ASTM D5
SOFTENING POINT	C	36 min	ASTM D36
DUCTILITY@ 25 C	Cm	100 min	ASTM D 113
LOSS ON HEATING	wt%	0.5 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	20 max	ASTM D5
FLASH POINT	C	218 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	250±50	ASTM D2171
VISCOSITY @ 135C	Cst	150 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	46 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	100	ASTM D113
VISCOSITY @ 60C	P		ASTM D2171

Analysis Of Bitumen 200-300

SPECIFICATION	Unti	Limit	TEST METHOD
DENSITY @ 25 C	kg/m ³	990-1040	ASTM D70 or D3289
PENETRATION @ 25 C	Mm/10	200-300	ASTM D5
SOFTENING POINT	C	32 min	ASTM D36
DUCTILITY@ 25 C	Cm	100 min	ASTM D 113
LOSS ON HEATING	wt%	1 max	ASTM D6
DROP IN PENETERATION AFTER LOSS ON HEATING	%	37 max	ASTM D5
FLASH POINT	C	177 min	ASTM D92
SOLUBILITY IN TRICHLOROETHYLENE	wt%	99.0 min	ASTM D2042
SPOT TEST	-	Negative	AASHTO T 102
VISCOSITY @ 60C	P	200±50	ASTM D2171
VISCOSITY @ 135C	Cst	80 min	ASTM D1270
Test on Residue From Thin Film Oven Test (ASTM D1754)			
Retained penetration after (T.F.O.T)	%	40 min	ASTM D5
Ductility . (25C), 5cm/min, cm after TFOT	cm	100	ASTM D113
VISCOSITY @ 60C	P	1250 max	ASTM D2171