

TECHNICAL DATA SHEETS

Penetration grade bitumen 30/40

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.01/1.06	ASTM D.70
Penetration @ 25 deg. C.	30/40	ASTM D.5
Softening Point deg. C.	55/63	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS ₂ PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS ₂ PCT. WT.	0.2 max.	ASTM D.4
Ductility at 25°C, 5cm/min, cm after thin-film oven test	50 min.	ASTM D. 946/D. 946M-09a
SPOT TEST	Negative	AASHTO T 102-42

TECHNICAL DATA SHEETS

Penetration grade bitumen 40/50

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.01/1.05	ASTM D.70
Penetration @ 25 deg. C.	40/50	ASTM D.5
Softening Point deg. C.	52/60	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS2 PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS2 PCT. WT.	0.2 max.	ASTM D.4
Ductility at 25°C, 5cm/min, cm after thin-film oven test	50 min.	ASTM D. 946/D. 946M-09a
SLOT TEST	Negative	AASHTO T 102-42

Penetration grade bitumen 60/70

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.01/1.06	ASTM D.70
Penetration @ 25 deg. C.	60/70	ASTM D.5
Softening Point deg. C.	49/56	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS2 PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS2 PCT. WT.	0.2 max.	ASTM D.4
Ductility at 25°C, 5cm/min, cm after thin-film oven test	50 min.	ASTM D. 946/D. 946M-09a
SLOT TEST	Negative	AASHTO T 102-42

Penetration grade bitumen 80/100

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.01/1.05	ASTM D.70
Penetration @ 25 deg. C.	80/100	ASTM D.5
Softening Point deg. C.	45/52	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS2 PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS2 PCT. WT.	0.2 max.	ASTM D.4
Ductility at 25°C, 5cm/min, cm after thin-film oven test	50 min.	ASTM D. 946/D. 946M-09a
SLOT TEST	Negative	AASHTO T 102-42

TECHNICAL DATA SHEETS

Penetration grade bitumen 100/120

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.01/1.04	ASTM D.70
Penetration @ 25 deg. C.	100/120	ASTM D.5
Softening Point deg. C.	42/49	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS ₂ PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS ₂ PCT. WT.	0.2 max.	ASTM D.4
SPOT TEST	Negative	AASHTO T 102-42

Penetration grade bitumen 120/150

Specification

	Value	Test Method
Specific Gravity @ 25/25 deg. C.	1.00/1.04	ASTM D.70
Penetration @ 25 deg. C.	120/150	ASTM D.5
Softening Point deg. C.	35/42	ASTM D.36
Ductility @ 25 deg. C. CMS	100 min.	ASTM D.113
Loss on heating PCT. WT.	0.2 max.	ASTM D.6
Drop in penetration after heating PCT.	20 max.	ASTM D.5
Flash point deg. C.	250 min.	ASTM D.92
Solubility in CS ₂ PCT. WT.	99.5 max.	ASTM D.4
Organic matter insoluble in CS ₂ PCT. WT.	0.2 max.	ASTM D.4
SPOT TEST	Negative	AASHTO T 102-42

Viscosity grade (VG10) bitumen

Specification

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Viscosity grade (VG20) bitumen

Specification

Property		Range
Absolute Viscosity	60 Deg. C, Poises, Min.	1600
Kinematic Viscosity	135 Deg. C, CST, Min.	300
Flashpoint	C, min.	220
Softening Temperature	Deg. C, Min.	45
Penetration	at 25 Deg. C	60-80
Ductility	at 25 Deg. C, cm., min.	50
Viscosity Ratio	at 60 Deg. C, Max.	4
Solubility in TCE	%, min.	99

Viscosity grade (VG30) bitumen

Specification

Property		Range
Absolute Viscosity	60 Deg. C, Poises, Min.	2400
Kinematic Viscosity	135 Deg. C, CST, Min.	350
Flashpoint	C, min.	220
Softening Temperature	Deg. C, Min.	47
Penetration	at 25 Deg. C	50/70
Ductility	at 25 Deg. C, cm., min.	40
Viscosity Ratio	at 60 Deg. C, Max.	4
Solubility in TCE	%, min.	99

Viscosity grade (VG40) bitumen

Specification

Property		Range
Absolute Viscosity	60 Deg. C, Poises, Min.	3200
Kinematic Viscosity	135 Deg. C, CST, Min.	400
Flashpoint	C, min.	220
Softening Temperature	Deg. C, Min.	50
Penetration	at 25 Deg. C	40-60
Ductility	at 25 Deg. C, cm., min.	25
Viscosity Ratio	at 60 Deg. C, Max.	4
Solubility in TCE	%, min.	99