

Date:

No. :

Enc.:

IRAN ERTEBAT ENGINEERING COMPANY (Ltd.)

Registration No.: 52201



TECHNICAL SPECIFICATION OF BITUMEN GRADE 40/50



Characteristics	Specification	Units	Test Method
Penetration (at 25°C) 100g , 5s	40 Min / 50 Max	0.1 mm	ASTM D-5
Softening Point (Ring & Ball)	52 Min/ 60 Max	°C	ASTM D-36
Ductility (at 25°C) , 5 cm/min	100 Min	Cm	ASTM D-113
Specific Gravity (at 25°C)	1.01 Min/1.06 Max	gr/cm ³	ASTM D-70
Flash point (Cleveland open cup)	250 Min	°C	ASTM D-92
Spot Point	Negative	Report	A.A.S.H.O.T.102
Solubility in CS ₂	99.5 (wt%) Min	Report	ASTM D-4
Thin-Film Oven Test (5 hrs at 163°C)			
Drop in penetration after heating	20 % Max	Report	ASTM D-5 , D-6
Loss on heating	0.2 (Wt.%) Max	Report	ASTM D-6

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TECHNICAL SPECIFICATION OF BITUMEN GRADE 60/70



Characteristics	Specification	Units	Test Method
Penetration (at 25°C) 100g , 5s	60 Min / 70 Max	0.1 mm	ASTM D-5
Softening Point (Ring & Ball)	49 Min/ 56 Max	°C	ASTM D-36
Ductility (at 25°C) , 5 cm/min	100 Min	Cm	ASTM D-113
Specific Gravity (at 25°C)	1.01 Min/1.06 Max	gr/cm ³	ASTM D-70
Flash point (Cleveland open cup)	250 Min	°C	ASTM D-92
Spot Point	Negative	Report	A.A.S.H.O.T.102
Solubility in CS ₂	99.5 (wt%) Min	Report	ASTM D-4
Thin-Film Oven Test (5 hrs at 163°C)			
Drop in penetration after heating	20% Max	Report	ASTM D-5 , D-6
Loss on heating	0.2 (Wt.%) Max	Report	ASTM D-6

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TECHNICAL SPECIFICATION OF BITUMEN GRADE 85/100



Characteristics	Specification	Units	Test Method
Penetration (at 25°C) 100g , 5s	85 Min / 100 Max	0.1 mm	ASTM D-5
Softening Point (Ring & Ball)	45 Min/ 52 Max	°C	ASTM D-36
Ductility (at 25°C) , 5 cm/min	100 Min	Cm	ASTM D-113
Specific Gravity (at 25°C)	1.01 Min/1.05 Max	gr/cm ³	ASTM D-70
Flash point (Cleveland open cup)	250 Min	°C	ASTM D-92
Spot Point	Negative	Report	A.A.S.H.O.T.102
Solubility in CS ₂	99.5 (wt%) Min	Report	ASTM D-4
Thin-Film Oven Test (5 hrs at 163°C)			
Drop in penetration after heating %	20% Max	0.1 mm	ASTM D-5 , D-6
Loss on heating	0.2 (Wt.%) Max	Report	ASTM D-6

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