

## Specification of Bitumen 40/50

**Origin:** Middle east

### General of Bitumen 40/50

BITUMEN GRADE 40/50 IT IS THE MOST COMMON GRADE OF BITUMEN WHICH IS USING IN WORLWIDE BITUMEN MARKET AS AN ADHESIVE,SEALANT,WATERPROOFING AGENT,DAMP PROOF,CONSTRUCTION AND MAINTENANCE OF ROAD,AIRFIELDS AND ALL AREA OF AAND POOL LININH,SOUND PROOF AND ACUSTIQUE, PIPE COATING AND PAING ALONG WITH OTHER THOUSANDS APPLICATION WITH BELOW TECHNICAL SPECIFICATION. THIS GRADE OF BITUMEN IS MAINLY USED IN THE MANUFACTURE OF HOT MIX ASPHALT FOR BASES AND WEARING COURSES. PENETRATION GRADE BITUMEN SUPPLIED BY ATDM IS PURE PETROLEUM GRADE BITUMEN, MANUFACTURED FROM VACUUM BOTTOM BY PASSING HOT AIR. THE BITUMEN SUPPLIED BY ATDM IS PRODUCED FROM REMAIN OF CRUDE OIL AFTER CRACKING AND REMOVING HYDROCARBON. PENETRATION GRADE BITUMEN 60/70 HAS PENETRATION BETWEEN 60~70 DESI-MILLIMETER AND SOFTENING POINT BETWEEN 48~52 C.THE PENETRATION GRADE BITUMEN 40/50 HAS A THERMOPLASTIC PROPERTY WHICH IS LIKE AS SYNTHETIC RESIN MATERIAL WHICH GETS SOFTER WITH HEATING AND HARDENS WHEN COOLED. THIS GRADE OF BITUMEN 40/50 HAS VERY STRONG VISCOSITY COMPARE TO OTHER GRADS.

### GUARANTY/WARRANTY OF BITUMEN 40/50

ATDM GUARANTY THE QUALITY OF BITUMEN 40/50 WITH ARRANGEMENT OF INTERNATIONAL INSPECTOR TO CHECK QUALITY AND QUANTITY OF THE BITUMEN DURING THE LOADING TO VESSEL AND CONTROLLING THE PRODUCTION BY QC BY BATCH TEST REPORT BEFORE SHIPPING. ATDM GUARANTY THE QUALITY TO MEET WITH ASTM/EN 12591.

Analysis 项目分析	Unit 单位	Limit 范围	Test Method 测试方法
Density@25°C 比重@ 25°C	kg/m <sup>3</sup>	1010-1060	ASTM D70orD3289
Penetration@25°C 针入度@25°C	Mm/10	40-50	ASTM D5
Softening Point 软化点	°C	52-60	ASTM D36
Ductility@25°C 延展性@25°C	cm	100min	ASTM D113
Loss on heating 加热减量	Wt%	0.2max	ASTM D6
Drop in penetration after heaing 加热后下降渗透	%	20max	ASTM D5
Flash point 闪点	°C	232min	ASTM D92
Solubility in Trichloroethylene 三氯乙烯中溶解度	wt%	99.0min	ASTM D2042
Spot test 抽查	--	Negative	A.A.S.H.O.T 102
Viscosity@60°C 粘度@60°C	P	4000+/-800	ASTM D2171
Viscosity@135°C 粘度@135°C	cSt	400min	ASTM D2170
Test on Residue From Thin Film Oven Test 残余物测试 (ASTM D1754)			
Retained Penetration (T.F.O.T),% 保留穿透力	%	58min	ASTM D5
Ductility,(25°C),5cm/min ,cm after TFOT 延展性	cm	50	ASTM D113
Viscosity@60°C 粘度@60°C	p	20000 max	ASTM D2171

