



PETROPALAYESH KHORSHID ZAGROS CO.

BITUMEN 40-50

PRODUCT SPECIFICATION :				BITUMEN	40-50
DATE :	10/3/2021		Laboratory Enviroment Condition		
BACH NO :			TEMPRATURE :	25	°C
SAMPLE No :	1055		HUMIDITY :	38	%
PROPERTY	UNIT	ACCEPTANCE		TEST METHOD	TEST RESULT
		MIN	MAX		
Penetration at 25°C-100g-5S	0.1mm	40	50	ASTM D-5	46
Softening Point (°C)	°C	52	58	ASTM D-36	53.3
Flash Point (°C)	°C	232	-	ASTM D-92	327
Kinematic Viscosity@135°C	cst	400	-	ASTM D-2170	427
Ductility, 25°C	cm	100	-	ASTM D-113	>100
Drop in penetration After Heating	%	-	20	ASTM D-6 & ASTM D-5	4.9
Loss on Heating (WT%)	%	-	0.5	ASTM D-6	0.03
Solubility in TCE	%	99	-	ASTM D-2042	99.93
Spot test	-	-	-	*A.A.S.H.O T102	NEGATIVE
Fraass Braking Point	-	3	6	EN12593	3.2
Specific Gravity at 25/25°C		1.01	1.06	ASTM D-70	1.043
PACKAGING METHOD :					
1-1000 KG. Jumbo bag or poly bag , double layer bag with an outer layer of polypropylene and an inner layer of naylon.					
2- 300 KG. Jumbo bag or poly bag , double layer bag with an outer layer of polypropylene and an inner layer of naylon.					
3- bulk carriage is available .					
STORAGE AND HANDLING RECOMMENDATION :					
1-store in unopened containers.					
2- Storage temperature limit 1°C - 50°C for normal operations, such as blending and transferring liquid bitumen temperature 10°C - 40°C above the minimum pumping temperature are recommended					
RECOMMENDED APLICATION TEMPRATURE :					
1-Asphalt Mixing Temprature : 150-160 °C					
2-Asphalt Compaction temprature : 135-145 °C					