



PETROPALAYESH KHORSHID ZAGROS CO.
BITUMEN VG-40

PRODUCT SPECIFICATION :				BITUMEN	VG-40
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	60	ASTM D-5	42
Softening Point (°C)	°C	52	58	ASTM D-36	54.1
Flash Point (°C)	°C	220	-	ASTM D-92	325
Kinematic Viscosity@135°C	cst	400	-	ASTM D-2170	497
Absolute Viscosity@60°C	poises	3200	4800	ASTM D-4402	4561
Solubility in TCE	WT%	99	-	ASTM D-2042	99.87
Specific Gravity at 25/25°C		1.01	1.06	ASTM D-70	1.0417
Ductility, 25°C,	cm	100	-	ASTM D-113	>100
<i>Test On Residue From Thin Film Oven Test (T.F.O.T)</i>					
Ductility, 25°C,	cm	25	-	ASTM D-113	54
Ratio Viscosity@ 60°C	%	-	4	ASTM D-4402	2.6
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					