



PETROPALAYESH KHORSHID ZAGROS CO.

BITUMEN PG 64-22

PRODUCT SPECIFICATION :				BITUMEN	PG 64-22	
DATE :	10/3/2021		Laboratory Enviroment Condition			
BACH NO :			TEMPRATURE :		25	©
SAMPLE No :	1063		HUMIDITY :		38	%
PROPERTY	SPEC.	UNIT	ACCEPTANCE		TEST METHOD	TEST RESULT
			MIN	MAX		
Dynamic Shear Rheometer (D.S.R)	Temprature	°C	-	-	ASTM D-7175	64
	Phase angle	o	-	-	ASTM D-7175	87.3
	G*	Kpa	-	-	ASTM D-7175	1.17
	G* /sin (δ)	Kpa	1	-	ASTM D-7175	1.17
Rotational Viscometer	at 135°C	Pa.s	-	3	ASTM D-4402	0.363
Penetration	at 25°C	0.1mm	-	-	ASTM D-5	67
Rolling Thin Film Oven (R.T.F.O) ASTM D-2872						
Dynamic Shear Rheometer (D.S.R)	Temprature	°C	-	-	ASTM D-7175	64
	Phase angle	o	-	-	ASTM D-7175	88.2
	G*	Kpa	-	-	ASTM D-7175	2.21
	G* /sin (δ)	Kpa	2.2	-	ASTM D-7175	2.21
Pressure Aging Vessel (P.A.V) ASTM D-6526						
Dynamic Shear Rheometer (D.S.R)	Temprature	°C	-	-	ASTM D-7175	25
	Phase angle (δ)	o	-	-	ASTM D-7175	57
	G*	Kpa	-	-	ASTM D-7175	5620
	G* *sin (δ)	Kpa	-	5000	ASTM D-7175	4713
Bending Beam Rheometer (B.B.R)	Temprature	°C	-	-	ASTM D-6648	-22
	m-Value	-	0.3	-	ASTM D-6648	0.308
	Stiffness	M.pa	-	300	ASTM D-6648	189
NOTE : The PG result of this specification can also cover prformance grade of PG 64-16 and 64-10						
PACKAGING METHOD :						
1-Bulk carriage is available .						
RECOMMENDED APLICATION TEMPRATURE :						
1-Asphalt Mixing Temperature : 150-160 °C						
2-Asphalt Compaction temperature : 135-145 °C						