



PETROPALAYESH KHORSHID ZAGROS CO.
BITUMEN PG 58-22

PRODUCT SPECIFICATION :				BITUMEN	PG 58-22	
DATE :	10/3/2021		Laboratory Enviroment Condition			
BACH NO :			TEMPRATURE :		25	°C
SAMPLE No :	1065		HUMIDITY :		38	%
PROPERTY	SPEC.	UNIT	ACCEPTANCE		TEST METHOD	TEST RESULT
			MIN	MAX		
Dynamic Shear Rheometer (D.S.R)	Temprature	°C	-	-	ASTM D-7175	58
	Phase angle	o	-	-	ASTM D-7175	89.3
	G*	Kpa	-	-	ASTM D-7175	1.58
	G* /sin (δ)	Kpa	1	-	ASTM D-7175	1.58
Rotational Viscometer	at 135°C	Pa.s	-	3	ASTM D-4402	0.287
Penetration	at 25°C	0.1mm	-	-	ASTM D-5	84
Rolling Thin Film Oven (R.T.F.O) ASTM D-2872						
Dynamic Shear Rheometer (D.S.R)	Temprature	°C	-	-	ASTM D-7175	58
	Phase angle	o	-	-	ASTM D-7175	87.9
	G*	Kpa	-	-	ASTM D-7175	3.2
	G* /sin (δ)	Kpa	2.2	-	ASTM D-7175	3.2
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	52.1
	G*	Kpa	-	-	ASTM D-7175	4030
	G* *sin (δ)	Kpa	-	5000	ASTM D-7175	3180
Bending Beam Rheometer (B.B.R)	Temprature	°C	-	-	ASTM D-6648	-22
	m-Value	-	0.3	-	ASTM D-6648	0.31
	Stiffness	M.pa	-	300	ASTM D-6648	141
NOTE : The PG result of this specification can also cover prformance grade of PG 58-16 and 58-10						
PACKAGING METHOD :						
1-Bulk carriage is available .						
RECOMMENDED APLICATION TEMPRATURE :						
1-Asphalt Mixing Temprature : 150-160 °C						
2-Asphalt Compaction temprature : 135-145 °C						