



## RK NORTHWEST REFINING & ENERGY COMPANY BITUMEN EVALUATION DEPARTMENT

Bitumen PG 64-xx											Test Method	Unit	Test
PG - 64						PG - 58					D6373	-	Degree of performance
-40	-34	-28	-22	-16	-10	-40	-34	-28	-22	-16			
64>						58>					-	( <sup>o</sup> C)	Highest Pavement Temperature (The average 7 days)
-40<	-34<	-28<	-22<	-16<	-10<	-40<	-34<	-28<	-22<	-16<	-	( <sup>o</sup> C)	Lowest Pavement Temperature
Bitumen before aging													
Min 230											INSO 198	( <sup>o</sup> C)	Flash point
max 3											ASTM D4402	@ 135 <sup>o</sup> C · Pa.S	Rotational viscosity ( RV)
64						58					ASTM D7175	Test temperature. ( <sup>o</sup> C)	Dynamic Shear Rheometer (DSR)
min 1						-						G* /sin§ · KPa	
Rolling Thin-Film Oven Test (RTFOT)													
max 1											INSO 11898	%	Weight change
64						58					ASTM D7175	Test temperature. ( <sup>o</sup> C)	Dynamic Shear Rheometer (DSR)
min 2.2						-						G* /sin§ · KPa	
Pressurized Aging Vessel (PAV)													
100											ASTM D6521	( <sup>o</sup> C)	Aging temperature
16	19	22	25	28	31	13	16	19	22	25	ASTM D7175	Test temperature. ( <sup>o</sup> C)	Dynamic Shear Rheometer (DSR)
max 5000												G* · sin§ · KPa	
-30	-24	-18	-12	-6	0	-30	-24	-18	-12	-6	ASTM D6648	Test temperature. ( <sup>o</sup> C)	Bending Beam Rheometer ( BBR )
max 300						-						S@ 60 s, MPa	
min (0.3)						-						m	

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