



## RK NORTHWEST REFINING & ENERGY COMPANY BITUMEN EVALUATION DEPARTMENT

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

Address: Bir Building, Allameh Tabatabai Ave, Tabriz – Iran  
Tel: +98 41 33 25 87 55 Fax: +98 41 33 25 87 56

[www.rkoilco.com](http://www.rkoilco.com)  
[info@rkoilco.com](mailto:info@rkoilco.com)

