



## RK NORTHWEST REFINING & ENERGY COMPANY BITUMEN EVALUATION DEPARTMENT

Bitumen PG 76-xx											Test Method	Unit	Test
PG - 76					PG - 70						D6373	-	Degree of performance
-34	-28	-22	-16	-10	-40	-34	-28	-22	-16	-10			
76>					70>								
-34<	-28<	-22<	-16<	-10<	-40<	-34<	-28<	-22<	-16<	-10<	-	(°C)	Lowest Pavement Temperature
Bitumen before aging													
Min 230											INSO 198	(°C)	Flash point
max 3											ASTM D4402	@ 135°C, Pa.S	Rotational viscosity ( RV)
76					70						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
76					70						ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
min 2.2					-							$G^* / \sin \delta$ . KPa	
Pressurized Aging Vessel (PAV)													
( 110 )100											ASTM D6521	(°C)	Aging temperature
25	28	31	34	37	19	22	25	28	31	34	ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
max 5000					-							$G^* . \sin \delta$ . KPa	
-24	-18	-12	-6	0	-30	-24	-18	-12	-6	0	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)

