



Bitumen PG 46 -.....										Test Method	Unit	Test
PG - 52							PG - 46			ASTM D6373 INSO 12505-3	-	Degree of performance
-46	-40	-34	-28	-22	-16	-10	-46	-40	-34			
52>							46>			-	°C	Highest Pavement Temperature (The average 7 days)
-46<	-40<	-34<	-28<	-22<	-16<	-10<	-46<	-40<	-34<	-	°C	Lowest Pavement Temperature
Bitumen before aging												
										INSO 198	min 230 °C	Flash point
										ASTM D4402 INSO 15434	@ 135°C, max 3 Pa.S	Rotational viscosity (RV)
52							46			ASTM D7175 INSO 15433	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
										G*/sin§ . min 1 KPa		
Rolling Thin-Film Oven Test(RTFOT)												
										ASTM D7175 INSO 11898	max 1%	Weight change
52							46			ASTM D7175 INSO 15433	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
										G*/sin§ . min 2.2 KPa		
Pressurized Aging Vessel (PAV)												
90										ASTM D6521 INSO 15431	(°C)	Aging temperature
7	10	13	16	19	22	25	4	7	10	ASTM D7175 INSO 15433	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
										G*. sin§ .max 5000 KPa		
-36	-30	-24	-18	-12	-6	0	-36	-30	-24	ASTM D6648 INSO 15432	Test temperature. (°C)	Bending Beam Rheometer (BBR)
										S @ 60 s, max 300 MPa		
										m min (0.3)		

