

Palayesh-e Hesar Mehran Co.

Brand: Hesar Mehran



Bitumen PG 52-xx										Test Method	Unit	Test
PG - 52							PG - 46			D6373	-	Degree of performance
-46	-40	-34	-28	-22	-16	-10	-46	-40	-34			
52>							46>			-	(°C)	Highest Pavement (The average 7 days)
-46<	-40<	-34<	-28<	-22<	-16<	-10<	-46<	-40<	-34<	-	(°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)
52							46			ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
min 1							-				G*/sin δ · KPa	
Rolling Thin-Film Oven Test(RTFOT)												
max 1										INSO 11898	%	Weight change
52							46			ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
min 2.2							-				G*/sin δ · KPa	
Pressurized Aging Vessel (PAV)												
90										ASTM D6521	(°C)	Aging temperature
7	10	13	16	19	22	25	4	7	10	ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)
max 5000							-				G* · sin δ · KPa	
-36	-30	-24	-18	-12	-6	0	-36	-30	-24	ASTM D6648	Test temperature. (°C)	Bending Beam Rheometer (BBR)
max 300							-				S@ 60 s , MPa	
min (0.3)							-				m	



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