

# Palayesh-e Hesar Mehran Co.

Brand: Hesar Mehran



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	
<b>Bitumen before aging</b>														
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
<b>Rolling Thin-Film Oven Test( RTFOT)</b>														
max 1											INSO 11898	%	Weight change	
76					70						ASTM D7175	Test temperature. (°C)	Dynamic Shear Rheometer (DSR)	
min 2.2					-									G* /sin $\delta$ , KPa
<b>Pressurized Aging Vessel (PAV)</b>														
( 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



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