

Specifications of 70-100 bitumen

Penetration-Graded Asphalt Cement BS EN 12591		Test / Method			Grade 70-100	
		ASTM	AASHTO	INSO	Min	Max
		-	-	12505-1		
1	Softening Point ,⁰C	D36	-	3868	43	51
2	Flash Point ,⁰C	D92	T48	198	230	-
3	Penetration @ 25⁰C , 0.1 mm	D5	T49	2950	70	100
4	Solubility in trichloroethylene , w %	D2042	T44	2953	99.00	-
5	Special Weight@ 25⁰C , gr/cm³	EN 12592	T228	3872	To be reported	
6	Rolling Thin-Film Oven Test	D2872	T240	11898	-	
6-1	Change in Mass ,w%	EN 12607-1			0.8 ≥	
6-2	Penetration,%				46 ≤	
6-3	Increase the softness point under normal conditions,⁰C OR Increase the softness point than usual,⁰C				9 ≥ Or 11 ≥	
6-4	Permeability index				NR -1.5 to +0.7	
6-5	Fraass breaking Point ,⁰C	-	-	3867	NR or -10 ≥	