

Requirements for Asphalt Cement , Viscosity Grade at 60°C Based on Original Asphalt								
Characteristics	Unit	Test method	AC-2.5	AC-5	AC-10	AC-20	AC-30	AC-40
Absolute Viscosity , 60°C	pa.s	ASTM D2170	25 ± 5	50 ± 10	100 ± 20	200 ± 40	300 ± 60	400 ± 80
Kinematic Viscosity , 135°C	mm2/s	ASTM D2170	Min 80	Min 110	Min 150	Min 210	Min 250	Min 300
Penetration at 25°C , 100 g ,5 s	0.1mm	ASTM D5	Min 200	Min 120	Min 70	Min 40	Min 30	Min 20
FLash point (cleveland open cup)	° C	ASTM D92	Min 165	Min 175	Min 220	Min 230	Min 230	Min 230
Solubility in Trichloroethylene	%	ASTM D2042	Min 99	Min 99	Min 99	Min 99	Min 99	Min 99
Spot Test		A.A.SH.T.O	Negative	Negative	Negative	Negative	Negative	Negative
Thin-Film Oven Test (TFOT)								
Absolute Viscosity , 60°C	pa.s	ASTM D2170	Max 125	Max 250	Max 500	Max 1000	Max 1500	Max 2000
Viscosity Ratio , 60°C	%	ASTM D2170	Max 4	Max 4	Max 4	Max 4	Max 4	Max 4
Ductility at 25°C , 5 cm/min after TFOT	cm	ASTM D113	Min 100	Min 100	Min 75	Min 50	Min 40	Min 25