

MC (Medium Curing)

A type of bitumen that uses semi-heavy solvents such as kerosene in its production. The use of petroleum solvents reduces the viscosity of the bitumen, and according to this standard, this value for MC-250 bitumen is between 250 and 500 based on CST at 60 degrees Celsius.

CUTBACK SPECIFICATION	TEST METHOD	UNIT	MC-30	MC-70	MC-250	MC-800	MC-3000
Kinematic viscosity @ 60 C° (140 °F)	ASTM D-2170	cSt	30/60	70/140	250/500	800/1600	3000/6000
Flash point (Tag open-cup) , min	ASTM D-92	°C (°F)	38	38	66	66	66
Rrsidue from distillation to 360° , min	ASTM D-402	%vol	50	55	67	75	80
DISTILLATE TEST	Distillate , volume percent of total distillate to 365 °C (437 °F)						
To 225 °C (437°) min/max	ASTM D-402		.../25	.../20	.../10	.../...	.../...
To 260 °C (500 °F) min/max	ASTM D-402		40/70	20/60	15/55	.../35	.../15
To 316 °C (600 °F) min/max	ASTM D-402		75/93	65/90	6087	45/80	15/75
TEST ON RESIDUE FROM DISTILLATION							
Penetration @ 25 °C min/max	ASTM D-5	%0.1 mm	120/250	120/250	120/250	120/250	120/250
Ductility @ 25 °C (77 °F) min	ASTM D-113	cm	100	100	100	100	100
Solubility in Trichloroethylene , min	ASTM D-2042	% wt	99	99	99	99	99
Water , max	ASTM D-95	%vol	0.2	0.2	0.2	0.2	0.2