



## Title: Specification for BITUMEN 50/70

Characteristic	Test Method	Unit	Specification (Min/Max)
Specific Gravity @ 25°C	ASTM D70	g/cm <sup>3</sup>	1.01 – 1.06
Penetration @ 25°C, 100g, 5s	ASTM D5	0.1 mm	50 – 70
Softening Point (Ring & Ball)	ASTM D36	°C	46 – 54
Ductility @ 25°C	ASTM D113	cm	100 Min
Flash Point (Cleveland Open Cup)	ASTM D92	°C	230 Min
Solubility in Trichloroethylene	ASTM D2042	% wt	99.0 Min
Loss on Heating	ASTM D6	% wt	0.2 Max
Drop in Penetration after heating	ASTM D5/D6	%	20 Max
Spot Test	AASHTO T102	-	Negative

Bitumen 50/70 of Qatar origin is a standard penetration grade typically produced from the vacuum distillation of crude oil. It is primarily used as a paving grade for road construction and hot mix asphalt in moderate climates.