

Bitumen PG 52-16

Property	PG52	Test Method
	16	
Average 7-day maximum pavement Design Temperature, °C	52	
minimum pavement Design Temperature, °C	> -16	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	52	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	52	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	90	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	22	AASHTO T315
Creep Stiffness S maximum 300 Mpa m-value minimum 0.300. Test Temperature, @ 60s °C	-6	AASHTO T313
Direct Tension Failure strain minimum 1 %. Test Temperature @ 1mm/min, °C	-6	AASHTO T314
Critical low cracking Temperature. Critical cracking determined by PP42 Test Temperature	-6	AASHTO PP42