



ROYAL GLOBAL ENERGY

RGE's core business Oil, Gas, Refining and Petrochemicals

Bitumen PG 76-10

Specification	Unit	Value	Method
Average 7-Day Maximum Pavement Design Temperature	°C	< 76	-
Minimum Pavement Design Temperature	°C	> -10	-
Flash Point Temperature	°C	Min230	AASHTO T48
Viscosity Maximum 3 Pas, Test Temperature	°C	135	AASHTO T316
Dynamic Shear, T 315, G*/sin Minimum 1 KPa Test Temperature, @10 rad/s, °C	°C	76	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	76	AASHTO T315
Pressure Aging Vessel (PAV) Test (AASHTO R28)			
PAV Aging Temperature	°C	100 (110)	AASHTO R28
Dynamic Shear G*/sin Maximum 5000 KPa Test Temperature, @10 rad/s	°C	37	AASHTO T315
Creep Stiffness S Maximum 300 Mpa M-Value Minimum 0.300 Test Temp, @60s	°C	0	AASHTO T313
Direct Tension, Failure Strain, Minimum 0.300 Test Temperature, @60s, °C	°C	0	AASHTO T314
Critical Low Cracking Temp, Critical Cracking Temp Determined by PP 42, Test Temp, °C	-	0	AASHTO PP42