



ROYAL GLOBAL ENERGY

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

Bitumen PG 70-10

Specification	Unit	Value	Method
Average 7-Day Maximum Pavement Design Temperature	°C	70	-
Minimum Pavement Design Temperature	°C	> -10	-
Flash Point Temperature	°C	Min230	AASHTO T48
Viscosity Maximum 3 Pa.s, Test Temperature	°C	135	AASHTO T316
Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature	°C	70	AASHTO T315
Rolling Thin Film Oven Test (T 240)			
Mass Change	%	Max1.00	AASHTO T240
Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature, @10 rad/s	°C	70	AASHTO T315
Pressure Aging Vessel (PAV) Test (AASHTO R28)			
PAV Aging Temperature	°C	100	AASHTO R28
Dynamic Shear G*/sin Maximum 5000 KPa Test Temperature, @10 rad/s	°C	34	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 1 % Test Temp@1mm/min,	°C	0	AASHTO T314
Critical Low Cracking Temperature Critical Cracking Determined by PP42 Test Temp	-	0	AASHTO PP42