

## Bitumen PG 52-10

| Property  | PG52  | Test Method |
|---|-------|-------------|
|   | 10    |             |
| Average 7-day maximum pavement Design Temperature, °C                                   | 52    |             |
| minimum pavement Design Temperature, °C   | > -10 |             |
| <b>Original Binder</b>  |       |             |
| 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 |
| <b>Rolling Thin Film Oven Test</b>  |       | AASHTO T240 |
| Mass change maximum percent   | 1     |             |
| Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C                    | 52    | AASHTO T315 |
| <b>Pressure Aging Vessel</b>  |       | AASHTO R28  |
| PAV aging Temperature, °C   | 90    |             |
| Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C                   | 25    | AASHTO T315 |
| Creep Stiffness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C      | 0     | AASHTO T313 |
| Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C                | 0     | AASHTO T314 |
| Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature | 0     | AASHTO PP42 |