

## Bitumen PG 46/22

| SPECIFICATION                    | UNIT  | VALUE                   | METHOD     |
|----------------------------------|---|-------------------------|------------|
| Maximum Pavement Design Temp.    | Degree Celsius (°C)                           | 46                      | ASTM D6373 |
| Maximum Pavement Design Temp.    | Degree Celsius (°C)                           | - 34                    | ASTM D6373 |
| Flash Point (Cleveland Open Cup) | Degree Celsius (°C)                           | 230 min                 | ASTM D92   |
| Rotational Viscosity, 135°C      | Pascal Second (Pa.s)                          | 3 max                   | ASTM D4402 |
| Dynamic Shear, 70°C              | Degree Celsius (°C)                           | 46 min                  | ASTM D6373 |
| Mass Loss                        | Weight Percentage (WT %)                      | 1 max                   | ASTM D6    |
| Creep Stiffness                  | Degree Celsius (°C)                           | -24                     | ASTM D6648 |
| Direct Tension                   | Degree Celsius (°C)                           | -24                     | ASTM D6723 |
| Absolute Viscosity, 60°C         | Poise (P)                                     | 295                     | ASTM D4402 |
| Penetration, 25°C                | 1/10 Millimetres (mm)                         | 300                     | ASTM D5    |
| Specific Gravity                 | Kilogram per Cubic Meter (kg/m <sup>3</sup> ) | 1.026 min               | ASTM D70   |
| APPLICATION TEMPERATURE          |   |                         |            |
| APPLICATION                      | UNIT  | RECOMMENDED TEMPERATURE |            |
| Storage Temperature              | Degree Celsius (°C)                           | 50-163                  |            |
| Spraying Temperature             | Degree Celsius (°C)                           | 177 max                 |            |