

PRODUCT: PG 70-10

| TESTS | ASTM No. | AASHTO No. | SPECIFICATION |
|---|-----------------|-------------------|----------------------|
| Tests on Original Asphalt: | | | |
| <i>Dynamic Shear, 70 °C, $G^*/\sin\delta$, kPa</i> | D 7175 | T 315 | 1.00 - 2.00 |
| <i>Viscosity, 135 °C, 21 Spindle, 20 RPM, Pa·s</i> | D 4402 | T 316 | 3 max |
| <i>Flash Point, C.O.C., °C</i> | D 92 | T 48 | 230 min |
| <i>Density, 15 °C, Kg/m³</i> | D 70 | T 228 | - - |
| <i>Solubility in Trichloroethylene, wt. %</i> | D 2042 | T 44 | 99 min |
| Tests on R.T.F.O. Residue: | | | |
| <i>Dynamic Shear, 70 °C, $G^*/\sin\delta$, kPa</i> | D 2872 | T 240 | |
| <i>Dynamic Shear, 70 °C, $G^*/\sin\delta$, kPa</i> | D 7175 | T 315 | 2.20 min |
| <i>Mass Loss, %</i> | D 2872 | T 240 | 1.00 max |
| <i>Ductility, 25 °C, 5 cm/min, cm</i> | D 113 | T 51 | 75 min |
| Tests on P.A.V. Residue @ 110 °C: | | | |
| <i>Dynamic Shear, 34 °C, $G^*\cdot\sin\delta$, kPa</i> | D 6521 | R 28 | |
| <i>Dynamic Shear, 34 °C, $G^*\cdot\sin\delta$, kPa</i> | D 7175 | T 315 | 5000 max* |
| <i>Dynamic Shear, 37 °C, $G^*\cdot\sin\delta$, kPa</i> | D 7175 | T 315 | 5000 max |
| <i>Creep Stiffness, 0 °C, S, MPa</i> | D 6648 | T 313 | 300 max |
| <i>m-Value, 0 °C</i> | D 6648 | T 313 | 0.300 min |

*Must be less than 5000 kPa @ 37 °C if it is greater than 5000 kPa @ 34 °C
