



| Bitumen PG 52 -..... | | | | | | | | | | | | Test Method | Unit | Test | |
|--|------|------|------|------|---------|------|------|------|------|------|------|----------------------------|---|---|--|
| PG - 58 | | | | | PG - 52 | | | | | | | ASTM D6373 INSO 12505-3 | - | Degree of performance | |
| -40 | -34 | -28 | -22 | -16 | -46 | -40 | -34 | -28 | -22 | -16 | -10 | | ⁰ C | Highest Pavement Temperature (The average 7 days) | |
| 58> | | | | | 52> | | | | | | | — | ⁰ C | Lowest Pavement Temperature | |
| -40< | -34< | -28< | -22< | -16< | -46< | -40< | -34< | -28< | -22< | -16< | -10< | — | ⁰ C | | |
| Bitumen before aging | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | INSO 198 | min 230 ⁰ C | Flash point | |
| | | | | | | | | | | | | ASTM D4402 INSO 15434 | @ 135 ⁰ C, max 3 Pa.S | Rotational viscosity (RV) | |
| 58 | | | | | 52 | | | | | | | ASTM D7175 INSO 15433 | Test temperature. (⁰ C) G°/sin§ . min 1 KPa | Dynamic Shear Rheometer (DSR) | |
| Rolling Thin-Film Oven Test(RTFOT) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | ASTM D7175 INSO 11898 | max 1% | Weight change | |
| 58 | | | | | 52 | | | | | | | ASTM D7175 INSO 15433 | Test temperature. (⁰ C) G°/sin§ . min 2.2 KPa | Dynamic Shear Rheometer (DSR) | |
| Pressurized Aging Vessel (PAV) | | | | | | | | | | | | | | | |
| 100 | | | | | 90 | | | | | | | ASTM D6521 INSO 15431 | (⁰ C) | Aging temperature | |
| 13 | 16 | 19 | 22 | 25 | 7 | 10 | 13 | 16 | 19 | 22 | 25 | ASTM D7175 INSO 15433 | Test temperature. (⁰ C) G° . sin§ .max 5000 KPa | Dynamic Shear Rheometer (DSR) | |
| -30 | -24 | -18 | -12 | -6 | -36 | -30 | -24 | -18 | -12 | -6 | 0 | ASTM D6648 INSO 15432 | Test temperature. (⁰ C) S @ 60 s, max 300 MPa m min (0.3) | Bending Beam Rheometer (BBR) | |



Address: South Ninth St, 60 meters Shurabad Blvd -Qom Old Road– Tehran – IRAN

Tel :+982156546681

Fax : +982156544326

mail: info@hesarmehran.com

Website: www.hesarmehran.com