# Palayesh-e Hesar Mehran
## Product Data Sheet

NACI/Lab 819

Performance-Graded Asphalt Cement for Use in Pavement Construction
Bitumen PG 70-10

Date:12/25/2024
Rev:01

| Specification, Unit | Test Method | | | Value |
|---|---|---|---|---|
| | ASTM D6373 | AASHTO M320 | INSO 12505-3 | |
| Average 7-day maximum Pavement Design Temperature, °C | - | - | - | 70 |
| Minimum pavement Design Temperature, °C | - | - | - | -10 |
| **Original Binder** | | | | |
| Flash Point Temperature Min °C | ASTM D92 | T48 | INSO 198 | 230 |
| Viscosity max 3 Pa.s, Test Temperature, °C | ASTM D4402 | T316 | INSO 15434 | 135 |
| Dynamic Shear, G*/sinδ, min 1.0 KPa<br>Test Temperature,°C | ASTM D7175 | T315 | INSO 15433 | 70 |
| **Rolling Thin Film Oven Test** | | | | |
| Mass change max % | ASTM D2872 | T240 | INSO 11898 | 1.00 |
| Dynamic Shear G*/sinδ, min. 2.2 KPa,<br>Test Temperature at 10 rad/s °C | ASTM D7175 | T315 | INSO 15433 | 70 |
| **Pressure Aging Vessel** | | | | |
| PAV Aging Temperature, °C | ASTM 6521 | R28 | INSO 15431 | 100(110) |
| Dynamic Shear G*/sinδ, max 5000 kPa<br>Test Temperature at 10 rad/s, °C | ASTM D7175 | T315 | INSO 15433 | 34 |
| Creep Stuffiness S, max 300 MPa<br>m-value min 0.300<br>Test Temperature at 60s, °C | ASTM D6648 | T313 | INSO 15432 | 0 |

*Note: For latest version please contact us.*

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