Homan
Refined Supply

DOCUMENT TYPE
TECHNICAL DATA SHEET

STANDARD
AASHTO M 320-15 · PG 76-10

DOCUMENT REF.
HMN-TDS-PG-7610

EFFECTIVE DATE
OCT 2026 · REV. 01

CLASS: PERFORMANCE GRADE (SUPERPAVE)

BITUMEN PG 76–10

HOT CLIMATE PERFORMANCE GRADE BINDER

DESCRIPTION

HOMAN Performance Grade PG 76-10 is a Superpave binder, often polymer-modified, graded for 76 °C high and −10 °C low pavement temperatures.

KEY FEATURES

- High PG 76: 7-day max pavement design temp 76 °C
- Low PG −10: min pavement design temp −10 °C
- G*/sin δ ≥ 1.00 kPa at 76 °C (AASHTO T315)

PRIMARY APPLICATIONS

- Hot desert climates with mild winters
- Toll plazas, intersections, and slow-moving traffic areas
- Heavy industrial and port facility pavements

INDEPENDENT VERIFICATION

SGS / EQUIVALENT

INDEPENDENT INSPECTION

Pre-shipment inspection by **SGS** or an equivalent independent inspector available on request. A Certificate of Analysis (COA) is issued for every batch.

AVAILABLE PACKING

- NEW STEEL DRUM (180 / 150 KG)
- JUMBO BAG (1 MT)

RECOMMENDED: Jumbo Bag — solid block locks the polymer, no separation.

SPECIFICATION LIMITS · AASHTO M 320-15 · PG 76-10

SPECIFICATION	TEST METHOD	UNIT	LIMIT
Max pavement design temperature	AASHTO M 320	°C	< 76
Min pavement design temperature	AASHTO M 320	°C	> −10
ORIGINAL BINDER			
Flash point	AASHTO T 48	°C	Min 230
Rotational viscosity at 135 °C	AASHTO T 316	Pa·s	Max 3
DSR G*/sin δ at 76 °C, 10 rad/s	AASHTO T 315	kPa	Min 1.00
RTFO RESIDUE (AASHTO T 240)			
Mass change	AASHTO T 240	%	Max 1.00
DSR G*/sin δ at 76 °C, 10 rad/s	AASHTO T 315	kPa	Min 2.20
PAV RESIDUE (AASHTO R 28, AGING 100 (110 DESERT) °C)			
DSR G*·sin δ at 37 °C, 10 rad/s	AASHTO T 315	kPa	Max 5000
BBR creep stiffness S at 0 °C, 60 s	AASHTO T 313	MPa	Max 300
BBR m-value at 0 °C, 60 s	AASHTO T 313	—	Min 0.300

HS CODE
2713.20

ORIGIN
Iran

HANDLING
Keep agitated when hot to avoid polymer separation.

SAFETY
SDS on request

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HOMANCORP.COM

Values are specification limits per the stated standard; actual results are reported per batch on the Certificate of Analysis (COA).