

# ASA BITUMEN

## BITUMEN PG76-10

**ASA BITUMEN**, as the **largest producer and exporter of bitumen**, offers **Performance Grade (PG) 76-10 bitumen**, a high-performance asphalt binder classified under the Superpave Performance Grading (PG) system. This advanced classification ensures that **ASA BITUMEN PG 76-10** delivers reliable performance under specified high and low temperature conditions, making it an ideal choice for demanding pavement applications that require superior durability, stability, and long-term performance.

Characteristic	Unit	Limits	Test Method
Average 7-day maximum pavement design temperature	°C	< 76	—
Minimum pavement design temperature	°C	> 10	—
<b>Original Binder</b>			
Flash Point	°C	Min. 230	AASHTO T48
Viscosity @135°C	Pa·s	Max. 3.0	AASHTO T316
Dynamic Shear, G*/sin δ at 76°C, 10 rad/s	kPa	Min. 1.0	AASHTO T315
<b>RTFO Residue (AASHTO T240 / ASTM D2872)</b>			
Mass Change	% wt	Max. 1.0	AASHTO T240
Dynamic Shear, G*/sin δ at 76°C, 10 rad/s	kPa	Min. 2.2	AASHTO T315
<b>PAV Residue</b>			
PAV Aging Temperature	°C	110	AASHTO R28
Dynamic Shear, G*·sin δ at 37°C, 10 rad/s	kPa	Max. 5000	AASHTO T315
<b>Low-Temperature Properties</b>			
Creep Stiffness (S value) at 0°C	MPa	Max. 300	AASHTO T313
Creep Rate (m value) at 0°C	—	Min. 0.30	AASHTO T313
<b>Direct Tension Test</b>			
Failure Strain at 0°C (1.0 mm/min)	%	Min. 1.0	AASHTO T314

## Quality:

At **ASA BITUMEN**, certification is carried out through our advanced in-house testing laboratory. ASA BITUMEN provides witness testing protocols prior to cargo release, and for every shipment ASA BITUMEN arranges independent international inspectors to verify product quality, ensuring full compliance with required specifications.

## Application:

**ASA BITUMEN PG 70-10** is a versatile asphalt binder widely used in highways, airports, bridges, industrial areas, and rehabilitation projects. Thanks to the high-performance formulation developed by **ASA BITUMEN**, this grade is ideal for heavy-duty pavements that must withstand high temperatures and substantial traffic loads, ensuring durability and long-term service life. Proper storage and handling, as recommended by **ASA BITUMEN**, are essential to maintain product quality and performance.

## Health & Safety:

According to **ASA BITUMEN** guidelines, bitumen does not present significant health or safety risks when properly used in recommended applications. **ASA BITUMEN** emphasizes compliance with good industrial practices and personal hygiene standards to ensure safe handling.

## Packaging:

**ASA BITUMEN** supplies **PG 70-10** in new steel drums, reconditioned steel drums, eco-friendly weatherproof poly bags, and in bulk. **ASA BITUMEN** packaging options include steel drums of 150 kg, 180 kg, and 200 kg, poly bags of 300 kg and 1000 kg, as well as bulk delivery via bitumen tank containers.

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