

TECHNICAL DATA SHEET

PERFORMANCE GRADE BITUMEN PG 76-22

IQTB-800-QL-TDS-0029

DESCRIPTION

Paving Grade Bitumen that complies with the specifications in the standard AASHTO M-320 or ASTM D6373 for PG 76-22. Performance Grade (PG) Bitumen PG 76-22 is an asphalt binder developed under the Superpave Performance Grading (PG) system. The numbers in the grade represent the highest and lowest pavement temperatures at which the binder is designed to perform effectively.



SPECIFICATIONS

Test	Specification	Unit	Test Method
Average 7-day maximum pavement design temperature	< 76	°C	--
Minimum pavement design temperature	> -22	°C	
Original Binder			
Flash point °C, Min	230 Min	°C	AASHTO T48 / ASTMD92
Viscosity @135°C	3.0 Max	Pa.s	AASHTO T316 / ASTMD4402
DynamicShear, G*/sin! at 76°C at 10 rad/s	1.0 Min	kPa	AASHTO T315 / ASTMD7175
Residual Binder from Rolling Thin-Film Test (AASHTO T 240 / ASTM D2872)			
Mass change	1.0 Max	%Wt	AASHTO T240 / ASTMD2872
Dynamic Shear, G*/sin! at 76°C at 10 rad/s	2.2 Min	kPa	AASHTO T315 / ASTMD7175
Pressure Aging Vessel Residue (AASHTO R28 / ASTM D6521)			
PAV Temperature	100 (110)	°C	AASHTO R28 / ASTMD6521
Dynamic Shear, G*.sin! at 31°C at 10 rad/s	5000 Max	kPa	AASHTO T315 / ASTM 7175
Creep Stiffness at -12°C			
S value	300 Max	MPa	AASHTO T313 / ASTMD6648
M value (slope)	0.300 Min		AASHTO T313 / ASTMD6648
Direct Tension at, -12°C			
Failure strain, Test Temp @ 1.0 mm/min	1.0 Min	%	AASHTO T314 / ASTMD6723

GUARANTY AND SAFETY

We as Iraq Altaqa Company guarantees the quality of Bitumen PG 76-22. To ensure this, an independent international inspection agency is arranged to verify both the quality and quantity of the Bitumen during vessel loading. Additionally, production is closely monitored by the Quality Control (QC) team through batch testing prior to shipment.

APPLICATIONS

PG 76-22 is ideal for a variety of demanding applications. It performs exceptionally well on mountain and plateau highways, where steep temperature gradients are common. For northern transport corridors, it is perfect for infrastructure exposed to both summer heat and extreme winter freeze. Additionally, urban and regional freight routes benefit from its durability, as it can handle mixed traffic in climates with seasonal temperature extremes.

PACKAGING

Our bitumen is available in a range of packaging options, including:

 Jumbo bags 1 MT	 Flexitanks 20 MT	 Steel drums 150kg 180kg 220kg
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All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180
-  Mixing temperature (°C): 140-165
-  Maximum heating temperature (°C): 185

Complies with
ASTM D6373



Complies with
AASHTO M-320

