



Bitumen 50/70 Specification

Property	Test Method	Unit	Specification
Penetration at 25°C, 100g, 5s	ASTM D5	0.1 mm	50 – 70
Softening Point (Ring & Ball)	ASTM D36	°C	46 – 54
Ductility at 25°C	ASTM D113	cm	Min. 100
Flash Point (Cleveland Open Cup)	ASTM D92	°C	Min. 230
Solubility in Trichloroethylene	ASTM D2042	%	Min. 99.0
Specific Gravity at 25°C	ASTM D70	-	1.01 – 1.06
Loss on Heating (163°C, 5 hrs)	ASTM D6	% wt	Max. 0.5
Retained Penetration After TFOT	ASTM D5	%	Min. 54
Ductility After TFOT at 25°C	ASTM D113	cm	Min. 25
Spot Test	AASHTO T102	-	Negative
Water Content	ASTM D95	%	Max. 0.2
Viscosity at 135°C	ASTM D4402	cSt	Report
Viscosity at 60°C	ASTM D2171	Poise	Report

Compliance

This Bitumen 50/70 complies with the requirements of:

- ASTM International Standards
- EN 12591 (Equivalent Penetration Grade)
- AASHTO Specifications
- Suitable for road paving and asphalt production

Typical Applications

- Highway construction
- Asphalt concrete production
- Airport runways and taxiways
- Urban roads and streets
- Industrial roads
- Heavy-duty pavements
- Port and container terminals
- Road maintenance projects

Note: The values above represent typical specifications for paving-grade Bitumen 50/70. Minor variations may occur depending on the producing refinery and applicable national standards.