

## Medium Curing Cutback Bitumen – ASTM Compliant

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### Product Identification

- **Product Name:** Bitumen MC-70
  - **Bitumen Type:** Medium Curing Cutback Bitumen
  - **CAS Number:** 8052-42-4
  - **HS Code:** 27132000
  - **UN Number:** UN 1999
  - **Country of Origin:** Iran
  - **Producer:** PetroGold Bitumen Refinery – Fully Integrated
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### Product Description

Bitumen MC-70 is a medium-curing cutback asphalt composed of penetration-grade bitumen blended with medium-volatility petroleum solvents such as kerosene. It offers **moderate viscosity and slower curing time** compared to MC-30, making it suitable for **priming of absorbent bases, cold region operations**, and **surface treatment of larger road sections** where longer workability is needed before setting.

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### ★ Key Features

- Balanced penetration and evaporation rate
- Suitable for broader temperature and moisture conditions
- Enhances binding between base and hot mix layers
- Excellent workability in temperate to cool environments

## Technical Specifications

Property	Test Method	Unit	Typical Value	Specification
Kinematic Viscosity @ 60°C	ASTM D2170	cSt	70	60 – 80
Flash Point (Tag Open Cup)	ASTM D3143	°C	45	≥ 38
Distillate to 190°C	ASTM D402	% vol.	10	Max 15
Distillate to 225°C	ASTM D402	% vol.	35	20 – 55
Distillate to 260°C	ASTM D402	% vol.	60	Max 75
Residue from Distillation	ASTM D402	% mass	50	Min 45
Penetration of Residue @ 25°C	ASTM D5	dmm	110	90 – 130
Ductility of Residue @ 25°C	ASTM D113	cm	>100	≥ 100
Solubility in Trichloroethylene	ASTM D2042	%	99.5	≥ 99.0
Specific Gravity @ 25°C	ASTM D70	–	0.94	0.91 – 0.96

## Applications

- Prime coat on dense or semi-dense granular bases
- Surface treatment in rural and semi-urban roads
- Cold weather road construction projects
- Pre-coating of aggregates in chip seals and patching