



TECHNICAL DATA SHEET

FUKKOL

FUKKOL MAPPRO GAS FAST HEAT | Propane/Butane LPG Fuel



Product: FUKKOL MAPPRO GAS FAST HEAT

Product type: Liquefied Petroleum Gas (LPG) fuel / portable torch fuel

Main composition: Propane + Butane blend

Brand: FUKKOL®

Intended use: Portable torch heating, brazing, soldering, small-diameter pipe work, metal heating and light-duty metalworking.

Product description: A pressurized LPG fuel designed for use with a compatible portable torch. The propane/butane blend provides a stable, high-temperature flame for heating and light-duty metalworking applications.

Important specification note

The values below are typical/reference values for propane-butane LPG. Actual product properties depend on the final blend ratio, filling pressure, ambient temperature and container system. Because the exact propane/butane ratio was not provided, blend-specific values are not presented as guaranteed specifications.

1. Technical Characteristics

Property	Typical / Reference Value	Notes
Appearance	Colourless liquefied gas under pressure	Odorant may be present.
Main components	Propane (C3H8) + Butane (C4H10)	Exact ratio is manufacturer-specific.
Boiling range	Approx. -42°C to -0.5°C	Depends on blend composition.
Flash point	Typically below -60°C	Extremely flammable.
Auto-ignition temperature	Approx. 405-450°C	Component-dependent reference range.
Flammability limits	LEL approx. 1.8-2.4 vol%; UEL approx. 8.5-9.5 vol%	Depends on composition.
Vapour density	Approx. 1.5-2.1 (air = 1)	Vapour is heavier than air.
Water solubility	Very low	Hydrocarbon LPG.
Flame temperature	Up to approx. 1,960°C with suitable torch and conditions	Application-dependent; not a gas temperature specification.

2. Recommended Applications

- Pipe heating and brazing
- Small-diameter pipe welding
- Metal heating and thermal forming
- Soldering
- General workshop heating

3. Performance Features

Feature	Description
High heat output	Designed for fast heating with a compatible torch.

Feature	Description
Portable and convenient	Compact pressurized fuel format suitable for field and workshop use.
Stable combustion	Proper regulator/torch adjustment is required for optimum flame performance.
Propane/butane LPG blend	Fuel characteristics depend on the actual blend ratio.

4. Handling, Storage & Safety

Safety point	Guidance
Extremely flammable	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Pressurized container	Protect from sunlight and do not expose to temperatures above 50°C. Do not puncture, crush or incinerate the container.
Ventilation	Use only in a well-ventilated area. LPG vapour may accumulate in low or enclosed areas.
Torch connection	Check the torch, valve, seal and connection before use. Stop use immediately if leakage is suspected.
Cylinder/can condition	Do not use a damaged, leaking, swollen or corroded container.

5. Packaging

Item	Information
Container	Pressurized metal can / cylinder suitable for LPG fuel and the compatible torch system.
Net fill	Refer to product label.
Valve	Torch-compatible valve; verify connection before use.

6. Manufacturer / Supplier Information

Field	Information
Brand	FUKKOL®
Hong Kong Headquarters	Kalen International Limited (卡麟國際有限公司)
Address	Room 601, New Treasure Centre, 10 Ng Fong Street, San Po Kong, Hong Kong
Telephone	0852 24202444
Fax	0852 24851418
Website	www.fukkol-lube.com

7. Important Notes

- This TDS is intended for product identification and general technical guidance. It is not a Safety Data Sheet (SDS).
- The exact propane/butane blend ratio, filling pressure, net fill weight and regulatory classification must be confirmed from the production specification/SDS for the specific product batch.
- Technical values are typical/reference data and may change according to formulation, filling conditions and test methods.

For commercial or regulatory submission, please verify the exact gas composition and package specification before final approval.