

JET FUEL, JP-5

Technical Data Sheet

JP-5 is a jet fuel with a very high flash point. It is ideal for naval military applications wherein jet fuel is stored under decks of aircraft carriers or ships with helipads, such as the Philippine Gregorio del Pilar-class frigate and Philippine Tarlac-class landing platform dock. Its high flash point is a safety feature that prevents accidental fire.

International Specifications

- U.S. MIL-DTL-5624V

Typical Properties

Color, Saybolt	+25
Density, @15 °C kg/L	0.797
Net Heat of Combustion, MJ/kg	43.9
Sulfur, % mass	0.11
10% Distillation, % at °C	190
50% Distillation, % at °C	207
90% Distillation, % at °C	231
Final Boiling Point, °C	257
Copper Strip Corrosion, 2 hr @ 100 °C	1A
Existent Gum, mg/100 mL	1
Acidity, mg KOH/g	0.005
Aromatics, Vol. %	19.2
Flash Point, °C	64
Freeze Point, °C	-49
Viscosity @ -20°C, mm ² /s	3.9
Smoke Point, mm, and	22.7
Water Reaction	1B
MSEP Rating without SDA	90
Icing Inhibitor, Vol. %	0.12
Filtration Time, min.	3

JS Union Oils and Trading, Inc.

1-C Victoneta Avenue, Potrero, Malabon City, Metro Manila, 1475 Philippines

Tel. Nos.: +63 2 8554681

Fax No.: +63 2 4482823

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