

JET A-1

Technical Data Sheet

Jet A-1 is a kerosene-based aviation fuel that is recommended for aircrafts equipped with turbojet or turboprop engines. It is a very clean fuel with good combustion properties.

International Specifications

- ASTM D 1655
- DEF STAN 91-91 (DERD 2494)
- AFQRJOS (Aviation Fuel Quality Requirements for Jointly Operated Systems)

Typical Properties

Color, Saybolt	+27
Density, @15 °C kg/L	0.7901
Net Heat of Combustion, MJ/kg	43.3
Sulfur, % mass	0.17
10% Distillation, % at °C	167
50% Distillation, % at °C	193
90% Distillation, % at °C	238
Final Boiling Point, °C	261
Copper Strip Corrosion, 2 hr @ 100 °C	1A
Existent Gum, mg/100 mL	1
Acidity, mg KOH/g	0.009
Aromatics, Vol. %	18.5
Flash Point, °C	42
Freeze Point, °C	-49
Viscosity @ -20°C, mm ² /s	3.7
Smoke Point, mm, and	23.4
Naphthalenes, Vol. %	1.40
MSEP Rating without SDA	99

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