

Jet A-1 Aviation Turbine Fuel

DEF STAN 91-091 · ASTM D1655

The following parameters correspond to Jet A-1 aviation turbine fuel meeting the requirements of DEF STAN 91-091 and ASTM D1655.

Property	Unit	Limit / Value
Density @ 15°C	kg/m ³	775.0 – 840.0
Flash point	°C	min 38.0
Freezing point	°C	max –47.0
Total acidity	mg KOH/g	max 0.015
Total sulphur	% m/m	max 0.30
Mercaptan sulphur	% m/m	max 0.0030
Aromatics	% v/v	max 25.0
Kinematic viscosity @ –20°C	mm ² /s	max 8.000
Smoke point	mm	min 25.0
Net specific energy	MJ/kg	min 42.80
Existent gum	mg/100 mL	max 7
Water reaction, interface rating	—	max 1b
Electrical conductivity	pS/m	50 – 600
Copper strip corrosion (2h @ 100°C)	rating	max No. 1
Colour (Saybolt)	—	report

Notes

- These specifications are indicative of the standard grade. Final quality is confirmed by an independent inspection agency (e.g., SGS) and the Certificate of Quality (COQ) issued at loading.
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