JET FUEL - A1 SPECIFICATIONS

Flashpoint	38 °C
Auto ignition temperature	210 °C
Freezing point	-47 °C (-40 °C for JET A1
Open air burning temperatures	260-315 °C (500-599 °F
Maximum burning temperature	980 °C (1796 °F)
Density a	15 °C (60 °F): 0.775-0.840 kg/L
Specification	ASTM D 1655
Acidity	mg KOH/g 0.10
Aromatics	% vol, m 25
Sulfur	mass% 0.30
Sulfur, mercaptan	mass% 0.003
Distillation	°C:
Initial boiling point	Report 150 Report
	10% recovered, max 205 Report
	50% recovered, maxReport
	90% recovered, maxReport
Endpoint	300
Vapor Pressure	kPa, max — — —
Flashpoint	°C, min 38
Density	15°C, kg/m3 775–840
FreezingPoint	°C, max –40
Viscosity	–20°C, mm2/sec, max 8
Net Heat of combustion	MJ/kg, min 42.8
Smoke Point	mm, min 18
Naphthalenes	vol%, max 3.0
Copper corrosion	2 hr @ 100°C, max rating No. 1
Thermal Stability	Filter pressure drop, mm Hg, max 25 Visual tube rating, max <3 Static test 4 hr @ 150°C, mg/100 ml Existent gum, mg/100 ml, max 7