

MIL-C-7024 Type II

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Calibrating Fluid
Aircraft Fuel System Components

Description

is a special run, stoddard solvent calibrating fluid.

Temperature Range

is designed to operate over the temperature range of 10°C to 30°C (50°F to 86°F)

Application

is designed for use in the calibration of fuel system components for aircraft reciprocating engines and aircraft gas turbines. It is compatible with Nitrile, PVA and Viton, but not recommended for use with butyl rubber, natural rubber, neoprene or EPDM.

Specification

meets the requirements of MIL-PRF-7024E, Type II.

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Typical Characteristics

TEST (ASTM)	DESCRIPTION	SPECIFICATION REQUIREMENT	RESULT
D 286	Gravity, API @ 60°F (16°C)	51.0 - 53.5	53.0
D 1298	Specific Gravity @ 60/60°F (16/16°C)	0.765 - 0.775	0.77
Table 8	Pounds per Gallon @ 60°F (16°C)	6.368 - 6.455	6.38
D 445	Viscosity @ 77°F (25°C), cSt	1.12 - 1.22	1.19
D 381	Gum, Existent, mg/100 ml	5.0 Maximum	1
D 86	Distillation Initial Boiling Point, °F (°C) Final Boiling Point, °F (°C) Recovery, %	300 (150) Minimum 410 (212) Maximum 98.5 Minimum	310 (156) 345 (175) 99
D 56	Flash Point, TCC, °F (°C)	100 (38) Minimum	104 (40)
D 235	Mercaptan Sulfur, % (or Doctor Test)	0.001 Maximum	Pass
D 130	Copper Corrosion 3 hrs @ 212°F (100°C)	1 Maximum	1 1b
D 1319	Aromatics, % Volume	20 Maximum	0.7
D 1319	Olefins, % Volume	5.0 Maximum	1.0
D 2276	Particulate Matter, mg/liter	2.0 Maximum	0.55
D 3242	Total Acid Number, mgKOH/gm	0.015 Maximum	0.005

Subject to usual manufacturing tolerances.