

NYCODIEL

TECHNICAL DATA SHEET



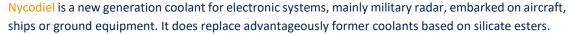
SYNTHETIC DIELECTRIC COOLANT FLUID

NATO CODE S-1748

DESCRIPTION

Nycodiel is a synthetic hydrocarbon-based fluid, with a viscosity of 5 cSt at 40°C. It is inhibited against oxidation.

APPLICATIONS





Because of these features, the use of Nycodiel enables to reduce considerably the maintenance costs of radar.

Nycodiel is supplied with a controlled dielectric strength and particle contamination level.

SPECIFICATIONS * / **OEM's** & Airframers reference

- Approved MIL-PRF-87252 E
- * Approved: The product has been approved by the relevant authority. The product is referenced on the applicable qualified product list.

CHARACTERISTIC	UNIT	TYPICAL RESULT	MIL-PRF-87252 E LIMIT	TEST METHOD
Appearance	-	conform	limpid homogeneous	Visual Examination
Density at 20°C	kg/dm³	0.795	report	ASTM D4052
Kinematic Viscosity at 100°C at 40°C at - 40°C at - 54°C	mm²/s	1.70 5.11 260 1067	min. 1.65 min. 5.0 max. 300 max. 1300	ASTM D445
Flash Point, COC	°C	161	min. 150	ASTM D92
Fire Point	°C	176	min. 160	ASTM D92
Total Acid Number	mg KOH/g	0.02	max. 0.2	ASTM D664
Water Content	mg/kg	20	max. 50	ASTM D1533
Dielectric Strength	kV	60	min. 35	ASTM D877
Resistivity at 25°C	Ohm-cm	1.2 x 10 ¹¹	min. 1×10 ¹⁰	ASTM D1169
Corrosion and Oxidative Stability 168 h at 121°C Acid Number Change Viscosity Change at 40°C Steel Weight Change Silver Weight Change Aluminium Weight Change Magnesium Weight Change Copper Weight Change	mg KOH/g % mg/cm² mg/cm² mg/cm² mg/cm² mg/cm²	0.05 1.0 0.0 0.0 0.0 0.0 0.0	max. 0.50 - 5.0 to + 5.0 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. +/- 0.4	ASTM D4636
Solid Particle Content 5 - 15 μm 16 - 25 μm 26 - 50 μm 51 - 100 μm > 100 μm	nb/100 cm ³	1700 200 50 6 1	max. 8000 max. 1425 max. 253 max. 45 max. 8	HIAC automatic counter FED-STD-S-791-3012

The values above are typical values. They do not constitute any contractual commitment. Sales specifications are available on request. The present technical data sheet replaces all the previous edition.

