



UNIVOLT™ N 61 B

Electrical Insulating Oil



Product Description

Univolt™ N 61B is a good quality, fully inhibited transformer oil designed to meet the operating requirements of transformers and other oil filled electrical equipment. It meets the requirements of ASTM D 3487 Type II fluid, providing good performance in transformers, circuit breakers, switches, and capacitors.

Features and Benefits

Univolt N 61B is manufactured from carefully selected base stocks favored by the domestic power industry under stringently controlled manufacturing conditions. It meets the demanding requirements of the ANSI/ASTM D 3487 specification for electrical insulating oils.

- Good Oxidation stability helps to extend lubricant service life and reduce maintenance costs
- Great low temperature performance helps enable easy low temperature start up
- Industry proven insulating properties

Applications

- Oil filled electrical equipment such as transformers, load tap chargers, switches, circuit breakers, high voltage capacitors, and lamp ballasts
- Some EDM (electrical discharge machines) as a coolant and insulator between charged electrodes
- Applications where a low viscosity mineral oil providing good low temperature properties is required

Specifications and Approvals

Univolt N 61 B meets or exceed the requirements of:

ASTM D 3487 Type II (2000)

Typical Properties

Univolt N 61 B

| | |
|----------------------------------|--------------|
| Viscosity, cSt, 40C, ASTM D 445 | 9.2 |
| Viscosity, cSt, 100C, ASTM D 445 | 2.3 |
| Aniline Point, C, ASTM D 611 | 75.8 |
| Color, ASTM D 1500 | L0.5 |
| Corrosive Sulfur, ASTM D 1275 | noncorrosive |
| Pour Point, C, ASTM D 97 | -50 |
| Flash Point, C, ASTM D 92 | 151 |
| Specific Gravity, D 1288 | 0.91 |

| Specific Gravity, D 1530 | U.S.I. |
|--|--------|
| Interfacial Tension, 25C, dynes/cm, ASTM D 971 | 48 |
| Neutralization Number, mg KOH/g, ASTM D 974 | 0.013 |
| Water, ppm, ASTM D 1533 | 35 |
| Dielectric Strength, kV, ASTM D 877 | 30 |

Health and Safety

Refer to the Material Safety Data Sheet for safety and health information.

Material Safety Data Sheets can be obtained from your local distributor; via the Internet on <http://www.msds.exxonmobil.com>.

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Exxon Mobil Corporation
3225 Gallows Road
Fairfax, VA 22037

1-800-ASK MOBIL (275-6624)

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