PRODUCT DATA SHEET

eni Ite 600

eni Ite 600 is a mineral insulating uninhibited oil for transformers. It is formulated from a highly refined petroleum base stock to impart excellent dielectric properties.

CHARACTERISTICS (TYPICAL FIGURES)

eni ITE 600

Type of oil - mark		**U**
Viscosity at 40°C	mm²/s	10
Pour Point	°C	- 45
Flash Point PM	°C	170
Dielectric strength (dry oil)	kV	> 60
Mass Density at 15°C	kg/l	0.830

PROPERTIES AND PERFORMANCE

- The dielectric strength of **eni Ite 600** remains well within the limits set by IEC Standards issued by the International Electrotechnical Commission, to guarantee the insulating properties of dielectric fluids.
- The low pour point of this oil permits its use even at low ambient temperatures in machinery which is not in continuous operation.
- Its good heat transfer properties meet requirements for insulating and cooling fluids used in transformers cooled by natural or pump-assisted fluid convection.
- The absence of asphaltic and resinous compounds and the extremely low sulphur content prevent deposit formation and corrosion, in fact it passes the following specific tests that are more severe of the standard ones of reference:
  - ASTM D 1275 B;
  - CIGRE TF A2.32.01 (CCD test).
- The good degradation and aging resistance ensures long, trouble free service.

APPLICATIONS

eni Ite 600 has been developed for use as insulating oil in transformers, switchgears, condensers, rheostats and in many other electrical applications involving particularly low temperature conditions.
Strict observance of current regulations on predrying and filtration of insulating oil and on periodic checks of oil and electrical equipment is recommended in the case of **eni Ite 600**.

SPECIFICATIONS

eni ITE 600 oil meets the requirements of the following specifications:

- I.E.C. 60296 ed. 4 (2012) Transformer oil U -30°C
- I.E.C 1982 Class I and Class II (1982)
- CEI EN 60296 Classificazione 10-1 Olio per trasformatori U -30°C (2004)
- CEI 10-1 Olio per trasformatori Classe I e Classe II (1997)