



ORLEN OIL TRAFO EN

VISCOSITY GRADE: ISO VG:10

GENERAL FEATURES:

Electrical insulating oil Orlen Trafo EN is a non-inhibited transformer oil (class U – does not contain oxidation inhibitor) manufactured on the basis of deeply refined, naphthenic type mineral oil. The oil does not contain metal passivators or other additives and observes the most recent requirements of IEC 60296 edition 4.

Detailed specification:

APPLICATION:

Orlen Oil Trafo EN is intended for insulating and cooling various electrical devices. It is used for filling transformers, switching devices and other connection equipment.

STANDARDS, APPROVALS. SPECIFICATION:

IEC 60296 PN-EN 60296:2012

PHYSICAL AND CHEMICAL PROPERTIES:

Parameter	Unit	Typical values
Density at 15 °C	g/cm ³	0,872
Density at temp. 20°C	g/cm ³	0,87
Kinematic viscosity at 40°C	mm ² /s	9,9
Kinematic viscosity at minus 30°C	mm ² /s	1005
Water content	mg/kg	8
Pour point	°C	-51
Breakdown voltage	kV	69
Dielectric loss factor at 90°C	-	0,0015
Surface tension	mN/m	44
Active sulphur	%	Does not cause corrosion
Antioxidant content	%	Not detectable
Oxidation resistance: 164h	mg/KOH/g	0,72
-total acidity	%	0,1
-deposit		
Gas stability in electric field	mm ³ /min	+7,0
Flash point (closed cup)	°C	146
PCA content	%	<1
PCB content	mg/kg	Not detectable

Note: The above values of physical and chemical properties are typical values. Actual values are specified in quality certificates enclosed with each product lot.



VERSION:

1 / 2023.07.17

