

# Product Information: Transulate

Property	Unit	Method	Typical Data
<b>Function</b>			
Viscosity, 40°C	mm <sup>2</sup> /s (cSt)	ISO 3104	9.3
Viscosity, -30°C	mm <sup>2</sup> /s (cSt)	ISO 3104	1050
Pour Point	°C	ISO 3016	-51
Water Content	mg/kg	IEC 60814	<20
Breakdown Voltage	kV	IEC 60156	
-Before treatment	kV	IEC 60156	40-60
-After treatment	kV	IEC 60296	>70
Density, 20°C	kg/dm <sup>3</sup>	ISO 12185	0.875
DDF at 90°C		IEC 60247	<0.001
<b>Refining/Stability</b>			
Colour		ISO 2049	<0.5
Appearance at 15°C		IEC 60296	Clear, Free from sediment
Acidity	mg KOH/g	IEC 62021	<0.01
Interfacial tension at 25°C	mN/m	IEC 62961	47
Corrosive sulphur		DIN 51353	Non-Corrosive
Potential corrosive sulphur		IEC 62535	Non-Corrosive
DBDS	mg/kg	IEC 62697-1	Not Detectable
Antioxidants	wt%	IEC 60666	Not Detectable
Metal passivator additives	mg/kg	IEC 60666	Not Detectable
Other Additives*			None
2-Furfural and related compounds content	mg/kg	IEC 61198	<0.05
Aromatic content	%	IEC 60590	9
<b>Performance</b>			
Oxidation stability at 120°C, 164 h		IEC 61125	
-Total acidity	mg KOH/g	IEC 61125	0.7
-Sludge	wt%	IEC 61125	0.17
-DDF at 90°C		IEC 61125	0.041
<b>Health, safety and environment (HSE)</b>			
Flash Point, PM	°C	ISO 2719	150
PCA	wt%	IP 346	<3.0
PCB	mg/kg	IEC 61619	Not Detectable

\*This product contains no undeclared additives

Transulate is an uninhibited insulating oil meeting IEC 60296 Ed.5 (2020) and is Type B TVBU Breakdown voltage after treatment as per definition in IEC 60296, section 6,4