

Q8 Michelangelo A

Application

- Transformers

Specifications

- IEC 60296:2012

Benefits

- High resistance against oxidation
- High dielectric strength
- Low dissipation factor
- No effect on the isolating material
- Good thermal conductivity

References

- Q8 Michelangelo A has been successfully applied in different transformers

Properties	Method	Unit	Typical
Limits			
Appearance	IEC 60296	-	clear
Absolute Density, 20 °C	D 1298	kg/m ³	870
Colour	D 1500	-	L0.5
Kinematic Viscosity, 40 °C	D 445	mm ² /s	10
Kinematic Viscosity, -15 °C	D 445	mm ² /s	197
Kinematic Viscosity, -30 °C	D 445	mm ² /s	1000
Flash Point	D 93	°C	152
Pour Point	D 97	°C	-48
Sulphur	D 2622	% mass	0.024
Total Acidity	IEC 62021	mg KOH/g	<0.01
Corrosive Sulphur	DIN 51353	-	non corrosive
(19 h at 140 °C)	D 1275	-	pass
(18 h at 100 °C)	DIN 51353	-	pass
Dielectric Strength		-	
untreated ex works	IEC 60156	kV	40-60
treated	IEC 60296	kV	>70
Dissipation factor, 90 °C	IEC 60247	-	<0.001
Oxidation Stability	IEC 61125 C	-	after 164h at 140°C
Total Acidity		mg KOH/g	0.50
Sludge		% mass	0.15
Dissipation factor, 90 °C		-	0.08
100 °C, 140 h			
Appearance		-	clear
Saponification Number		mg KOH/g	0.097
Sludge		% mass	0.005
tg at 90 °C		-	0.02

The figures above are not a specification. They are typical figures obtained within production tolerances.