SynFlex Elektro GmbH
Auf den Kreuzen 24
D-32825 Blomberg Germany
Telefon +49-5235-968-0
E-Mail info@synflex.de

Core cooling duct

These core cooling ducts are state-of-the-art products applied to cores of oil-filled transformers. Advantages over systems used in the past are more effective heat dissipation by multi-directional oil flow.

Attributes

Aramide paper comprised with spacers made of silicate ceramic.

Application

Transformer construction, esp. transformers with oil core

Base

Synthetic electro-insulation paper constructed of a calandered, aromatic polyamide fibride flock composition. See technical data sheet SynTherm® YT510.

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General	Unit of measure	Silicate ceramics	Adhesive	Test method
Density at 20 °C	g/cm³		1.07	DIN 53217
Danger of explosion			nein	
self-flammable	°C		nein	
Flashpoint	°C		73	
Boiling point	°C		100	H.B. Fuller
pH-value: at 20	°C		6	DIN 38404
Dielectric strength	kV/mm	20		
Max. application temperature	°C	1200		
Thermal conductivity	W/m*K	2-3		
Coefficient of expansion	K-1	7-9		
Compressive strength	N/mm²	900		