SynFlex Elektro GmbH
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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.

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.
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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		

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