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

Synthite EB-43/387-D Polyester enamel varnish

Synthite EB-43/387-D is a black, very quick drying Polyester enamel varnish.

Attributes

Synthite EB- 43/387-D has the following excellent properties:

- very fast drying
- UL-approved
- excellent chemical resistance
- oil and moisture resistant
- hard, smooth, abrasion resistant film
- good adhesion
- good electrical properties
- transformer oil resistance ASTM D 155-55
- corrosion and humidity resistance

Application

Typical applications for Synthite EB-43/387-D are:

- stators
- printed circuit boards
- form wound coils
- resistors
- transformers
- bus bars

Standards

class H (180°C) UL 1446

UL-file-no. OBOR2.E317427 and OBJS2.E317429

magnet wire	Twisted Pairs	Helical Coil
MW 24-C	155 °C	155 °C
MW 28-C	130 °C	130 °C
MW 35-C	180 °C	180 °C

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Updated 04/24

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Delivery forms

5 kg, 25 kg and spray cans on request.

Storage

Store in cool, dry place (max. 30 °C) away from direct sunlight. Proect from moisture and humidity. Shelf-life is 24 months when stored in closed original containers at max. 30 °C.

Hardening

Air-drying tim (on copper plate):

60 min. - set to touch

Protection

Use in well ventilated areas, avoid contact with scin and eyes and wear protective clothes. For more details see the safety data sheet.

Processing

For spraying application, Synthite EB-43/387-D must be thinned with 15 % of Dolph's® T-200 thinner.

It is supplied with a viscosity suitable for application by brush.

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Mechanical	Unit of measure	Conditions	Values	Test method
Coating thickness	µm		75-100	ASTM D-115-55

Electrical	Unit of measure	Conditions	Value	Test method
Dielectric strength	kV/mm	dry / 0.025 mm film thickness	80	ASTM D-115
Dielectric strength	kV/mm	after 24 h water disposal / 0.025 mm film thickness	48	ASTM D-115
Creep resistance			600 M	DIN IEC 60112

Chemical	Conditions ISO 2812-2 / 168 h	Blistering	Rusting	Cracking	Test method
Resistance	Water	no	no	no	ISO 4628/2-3-4
Resistance	10 % sulphuric acid	no	no	no	ISO 4628/2-3-4
Resistance	1 % Sodium hydroxide	no	no	no	ISO 4628/2-3-4
Resistance	Salt water	no	no	no	ISO 4628/2-3-4

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Liquid phase	Unit of measure	Conditions
Viscosity	s	25 °C
Viscosity	s	25 °C
Specific density	g/cm³	25 °C

Liquid phase	Unit of measure	Values	Test method
Viscosity	s	60-80	Ford Cup 4
Viscosity	s	75-100	ISO Cup 5
Specific density	g/cm³	1.07-1.13	

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