

# EGSB 0483

## Semiconductive Polyester-Fabric-Tape

## Compostion

EGSB 0483 consists of polyester fabric, impregnated with a mixture of silicon carbide and a special resin.

## **Properties**

EGSB 0483 is a flexible, fully cured tape which shows resistance characteristic depending on voltage level due to the silicon carbide.

#### Application

EGSB 0483 is used for insulating systems in Resin Rich Technology as de-stressing covering on the overhang part of coils of high voltage machines.

Page 1 of 2 E EGSB 0483 Created on 24/01/2012 All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications. ISOVOLTA AG A-2355 Wiener Neudorf Phone: +43/2236/605-0 Fax: +43/2236/605-477 electrical-insulation@isovolta.com www.isovolta.com

A Constantia Iso AG company



# **Technical Data**

Properties	Testmethod	Unit	Value
Nominal thickness		mm	0,28
Tolerance	DIN 863	mm	± 0,04
Total substance	IPV Nr. 18	g/m²	360 ± 35
Tensile strength	DIN 53455	N/10mm	≥ 80
Elongation	DIN 53455	%	≥ 10
Surface resistance (measuring voltage 1000 V, DC)	IEC 93	Ohm/square	≥ 10 <sup>11</sup>
Current characteristic (50 Hz) Voltage (kV/cm): 1,0 / 2,0 / 3,0 / 4,0 / 5,0 / 6,0 (after 2h 160°C)	IPV no. 65	A/cm x 10 <sup>-6</sup>	ca. 0,8 / ca. 2,0 / ca. 3,2 / ca. 8 / ca. 15 / ca. 37

## Shelf Life:

EGSB 0483 can be stored unlimited under normal conditions (20° C, 50% r. H.).

# Availability:

Tapes 20 mm wide Other widths on request.

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications. ISOVOLTA AG A-2355 Wiener Neudorf Phone: +43/2236/605-0 Fax: +43/2236/605-477 electrical-insulation@isovolta.com www.isovolta.com

A Constantia Iso AG company