

# Conductive films for industrial applications

### Overview

Ohmlex is a transparent polyester film that offers an electric conductive surface. The combination of transparency, flexibility and conductivity offers new possibilities for touch screens, membrane switches and other industrial applications.

The film is coated with a conductive polymer layer to reach a resistance between  $200-600\Omega$ /square on one side of the film.

The second side of the film can be coated with a functional hard coating depending on your application.

#### Key benefits:

Electrical conductivity, good transparency, high heat and water resistance

#### Applications:

Touch panels, screens, membrane switches and keypads for EMI hardened devices. For specific requirements we can offer custom coated films, where our experience allows us to offer you a range of options to choose from.

We are happy to work with you to find the best solution for your application.

#### **Custom Options:**

50-200 Micron - Film thickness: - Conductivity:  $200-600\Omega$ /square

- 2nd side: Hardcoating (Gloss / Antiglare / Matte / Anti Newton)

Products	<b>Ohmlex</b>	<b>Ohmlex</b>	<b>Ohmlex</b>	<b>Ohmlex</b>
	OLG-200	OLAG10-500	OL-500	OLG-400

#### Conductive **Features** Clear HC

125µ

Haze <2%

Hard coating

Conductive

**Conductive** Antiglare HC 125µ

Haze 10%

Hard coating

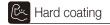
Conductive

Conductive No Hardcoat 175µ

Haze <3%

Conductive

**Conductive** Clear HC 175µ Haze <2%





### Structure

## **Specifications**

Film thickness 125 micron Haze <2% Resistance Ω/square 200-300 **Transmission** >85% Chemical resistance\* Yes Pencil hardness\*2 2H

125 micron 10% 500-600 >83% Yes 2H

175 micron <3% 400-500 >82% Yes

175 micron <2% 300-400 >85% Yes

2H

\*1 Provides chemical resistance according to DIN 42 115 on non CP side 🔭 Provides hardness according to ASTM D3363

All technical data is subject to change

