

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 200-600Ω/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:

- Film thickness: 50-200 Micron
- Conductivity: 200-600Ω/square
- 2nd side: Hardcoating (Gloss / Antiglare / Matte / Anti Newton)

Products

Ohmlex
OLG-200

Ohmlex
OLAG10-500

Ohmlex
OL-500

Ohmlex
OLG-400

Features

Conductive Clear HC
125μ
Haze <2%



Conductive Antiglare HC
125μ
Haze 10%



Conductive No Hardcoat
175μ
Haze <3%



Conductive Clear HC
175μ
Haze <2%



Structure

Clear Hardcoating
Base PET film 125μ
Conductive layer 200-300Ω/square

Antiglare Hardcoating 10% Haze
Base PET film 125μ
Conductive layer 500-600Ω/square

Base PET film 175μ
Conductive layer 400-500Ω/square

Clear Hardcoating
Base PET film 175μ
Conductive layer 300-400Ω/square

Specifications

	Ohmlex OLG-200	Ohmlex OLAG10-500	Ohmlex OL-500	Ohmlex OLG-400
Film thickness	125 micron	125 micron	175 micron	175 micron
Haze	<2%	10%	<3%	<2%
Resistance Ω/square	200-300	500-600	400-500	300-400
Transmission	>85%	>83%	>82%	>85%
Chemical resistance*1	Yes	Yes	Yes	Yes
Pencil hardness*2	2H	2H	-	2H

*1 Provides chemical resistance according to DIN 42 115 on non CP side *2 Provides hardness according to ASTM D3363

All technical data is subject to change