

Durable and flexible hardcoated films for industrial applications

Overview

Our range of hardcoated PET and PC films extend the functionality into areas demanding highest quality and durability. Most products are printable and offer additional options to suit a wide range of industrial applications.

Key benefits:

Excellent scratch resistance, chemical and household cleaner resistance, embossable with consistent surface quality, printable with excellent ink reception, superior flex life for membrane switches. All products shown are heat stabilized.

Applications include:

Membrane switches, operating panels, graphic overlays, optical displays, name plates, touch screens and other industrial applications.

Custom Options:

For specific requirements we offer tailor made films, where our development capabilities and experience allow us to offer you a wide range of coating options. We are looking forward to work with you to find the best solution for your application.

- Basefilm thickness: 125-250 Micron
- Surfaces: Gloss (Clear) / Anti Glare / Matte (Fine, Satin, Velvet, Textured)
- Haze: 1%-80%
- Special functions: Anti fingerprint / Anti newton / UV stabilization
- Lamination with protection film on one or both sides

Products

| | ElastoDur G | ElastoDur AG10 | ElastoDur AG60CW | ElastoDur UV60FRW-PC |
|--|-----------------------|--------------------------|----------------------------|--------------------------------|
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Features

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|---|---|---|---|
| Gloss Anti Fingerprint Printable Haze <1.5% | Anti Glare Printable Haze 10% | Fine Matte Printable Haze 53% | Textured Polycarbonate Printable Haze 60% |
| Hard coating | Hard coating | Hard coating | Hard coating |
| Printable | Printable | Printable | Printable |

Structure

| | | | |
|--------------------------------------|-----------------------------------|---------------------------------------|---------------------------------------|
| Clear Hardcoating / Anti Fingerprint | Anti Glare Hardcoating / 10% Haze | Matte Hardcoating Textured / 50% Haze | Matte Hardcoating Textured / 60% Haze |
| Base PET film 125/175 micron | Base PET film 125/175 micron | Base PET film 125/175 micron | Base PC film 250 micron |
| Ink receptive layer | Ink receptive layer | Ink receptive layer | Ink receptive layer |

Specifications

| | | | | |
|--|------------------|----------------|----------------|---------------|
| Film thickness | 125/175 micron | 125/175 micron | 125/175 micron | 250 micron |
| Haze | <1.5% | 10% | 53% | 60% |
| Function | Anti Fingerprint | Anti Glare | Textured Fine | Textured Fine |
| Clear Window³ | - | Good | Good | Good |
| Flex Life | >5 Million | >5 Million | >5 Million | |
| Transmission | >90% | >90% | >90% | >88% |
| Chemical resistance¹ | Yes | Yes | Yes | Yes |
| Pencil hardness² | 3H | 3H | 2H | B-HB |

¹ Provides chemical resistance according to DIN 42 115

² Provides hardness according to ASTM D3363 ³ Using recommended UV varnish

All technical data is subject to change