ElastoDur

Hard-coated Film for HMI interfaces and Labels

ElastoDur is a high-performance hard-coated film designed for demanding interface and display applications. It provides excellent scratch and chemical resistance, ensuring long-lasting surface quality, including reliable visual and tactile performance.

Ideal for membrane switches, graphic overlays, HMI interfaces and labels. ElastoDur keeps sensitive surfaces protected, functional and visually clear even under heavy use.

The film supports Screen- and UV Inkjet -printing , embossing, die-cutting, and laser-cutting, making it a cost-effective and flexible solution for advanced manufacturing. The UVX30 and UVX60 products offer advanced UV protection for long term outdoor applications.

Features

Excellent Scratch Resistance:
Protected against everyday abrasion and mechanical wear

Superior Flex Life:
Maintains performance in membrane switch application

Chemical Resistance:
Withstands oils, solvents, and cleaners

Embossable & Cuttable:
Easy to form and process

Consistent Surface Quality:
Ensures clear, high-quality printing

Outdoor options:
UVX30 and UVX60 include an advanced UV filter
ideal for long term outdoor applications

Standard Product Data

Products

| ElastoDur GN | ElastoDur AG10N | ElastoDur UVX30 | ElastoDur AG60N / UVX60 |

Features

GN	AG10N	UVX30	AG60N / UVX60
Gloss / Clear Anti Fingerprint Printable Haze <1.5%	Anti Glare Printable Haze 10%	Strong Anti Glare Printable Haze 30% UV Resistant	Fine Matte Printable Haze 50%

Structure

GN	AG10N	UVX30	AG60N / UVX60
Gloss Hardcoating Anti Fingerprint	Anti Glare Hardcoating 10% Haze	Anti Glare Hardcoating 30% Haze	Matte Hardcoating Textured 50% Haze
Base PET film 125/188µ	Base PET film 125/188µ	Base PET film 125/188µ	Base PET film 125/188µ
Ink receptive layer	Ink receptive layer	Ink receptive layer	Ink receptive layer

Specifications

	GN	AG10N	UVX30	AG60N / UVX60
Film Thickness	125/188 micron	125/188 micron	125/188 micron	125/188 micron
Haze	<1.5%	10%	30%	50%
Function	Anti Fingerprint	Anti Glare	Strong Antiglare	Textured Fine
Clear Window*1	-	Good	Good	-
Flex Life	>5 Million	>5 Million	>5 Million	>5 Million
Transmission	>90%	>90%	>90%	>90%
Chemical resistance*2	Yes	Yes	Yes	Yes
Pencil Hardness*3	>H	2H	2H	3H
UV Protection*4	-	-	Yes	Yes / UVX60

*1 - Using recommended UV varnish *2 - Provides chemical resistance according Kimoto norm

*3 - Provides hardness according to ASTM D3363 *4 Provides UV protection for outdoor applications

The values represent measurements on specific samples

All technical data is subject to change