DATA SHEET 22438.190.33600

DIALUX SI 438

Translucent polyester film, printable on one side for light boxes and other backlit displays.

Printing Systems

Rolls

Art.Number	Width (mm)	Thickness	Length (m)
22438.190.33600	1370	0.190 mm	60
22438.190.35310	1520	0.190 mm	60

Technical data

Characteristic

- Brilliant, true colour reproduction with or without back lighting (Day&Night).
- Perfect flatness
- Low-reflective printing surface

Finish

- Translucent, satin

Specifications

Coating Printside	satin
Width (mm)	1370
Thickness	0.190 mm
Core Diameter	76 mm
Length (m)	60
Opacity	0.35
Base Material	Polyester

Packing quantity	1 roll

Compatibility

- Useable on most large format Ink Jet printers using latex inks.
- Useable on most large format Ink Jet printers using UV curing ink systems.

Handling

- Note for Latex-Inks: To avoid the effect of rewetting (oil film on the print surface due to defective anchorage of ink) it is necessary to establish the optimal drying parameter. This can be done by means of print tests before production print. Rewetting can appear several days after printing when the drying condtions are defective. The rewetting can also be dependent on the given ambient conditions and the composition and consistence of the printing theme. When creating a media profile, this circumstance must be expressly taken into consideration.

- SI 438 should be printed with stretchable UV-curable inks. We don’t recommend standard UV-curable inks since the colour layer could possibly crack after printing or during further processing.
- It is necessary to set the UV-curing correctly in order to avoid a deformation of the film due to the heat generated by the UV-lamp.
- UV inks absorb water in a wet state due to the system. The print surface swells and is mechanically unstable during this time. After the ink layer has dried, however, the surface is hard and scratch-resistant again. UV inks also require a certain post-curing time after printing. The printed film surface may therefore only be loaded after 24 hours at the earliest. Due to the risk of blocking, this must be observed especially when printing from roll to roll.
- High air humidity during the printing process may lead to banding in the printing direction and to striations in the printed image caused by the transport or by the press rolls.

Storage

- Shelf life: 1 year after delivery
- After printing the remaining roll must be removed from the plotter and stored in its closed original packing in a cool and dry environment.

Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.