

Pentaprint® Dynox

Pentaprint® Dynox - superb ink adhesion on glossy and brilliant films

Plastic films with glossy surfaces often do not perform optimal when they undergo any mechanical conversion after being printed. This might result in a bad ink adhesion and/or in a splintering of the colours especially in stressed surface areas, e.g. when the film is being punched or cut. These defects might have negative impacts on the production output and increase the time and effort which has to be applied for quality control.

The printing industry tries to increase the performance of glossy films by applying a pre-treatment as a primer coat or a varnish top coat to the film. These additional treatments increase significantly processing and material costs and increase the complexity of the production process.

In order to optimize the printability of glossy films and to avoid any additional processing costs, kp has developed the Dynox surface treatment which sustainably increases the surface tension to >42 dyn for a guaranteed period of 12 months and this way optimises the ink adhesion even in offset UV printing.

The Dynox surface treatment permits an optimum reproduction of the print and the colours without any additional surface treatment. It has no impact on the transparency and the brilliance of the films.

Pentaprint® Dynox films perform comparably to other glossy printing films. All current converting techniques as

bonding and welding can be applied. Due to the exceptional ink adhesion, the colours will not splinter when the film is being punched, cut or folded. The application of any varnish top coat is not necessary and this way handling and processing costs are reduced significantly.

The sustainability of the surface treatment makes the films suitable for printing even after months. This reduces the complexity in materials management of the printing house.

Pentaprint® Dynox films are suitable for any printing application which requires a combination of high brilliance and surface gloss and an optimum ink adhesion, especially when the printed film is going to be further processed by any converting method.

Nowadays, Pentaprint® Dynox films are mainly applied for the production of folded boxes, displays, stationery products, calendars and promotional products.

Pentaprint® Dynox films are available in transparent and opaque white colours with one or two side treatment. Selected thicknesses and sheet sizes are available from stock.

KLÖCKNER PENTAPLAST GmbH & Co. KG

P.O. Box 1165

D-56401 Montabaur

Tél. +49 2602 915-0

Fax +49 2602 915-297

www.kpfilms.com

kpinfo@kpfilms.com