



RESISTA®-Label N 5080 Special process series for polyolefin films

The RESISTA®-Label N 5080 series is especially suitable for printing on polyolefin films. With the development of the PET bottle labels on synthetic basis were also developed further. It concerns in this case polyolefin films on the basis of polyethylene (PE) and polypropylene (PP).

In comparison with paper labels the following advantages may be mentioned:

- High tear resistance, above all at high dampness.
- Higher labelling speed.
- More attractive visual impression.
- Larger area of application (e.g. shrink- or stretch labels).
- Lower weight.
- Recycling advantages (for instance easy separation from the PET bottle).
- “No label-look” labels may be produced.

Normally polyolefin films are printed in gravure-flexographic printing. However, for label production the offset process is also used for film thicknesses starting at 0,4 mm. On offset inks two specific demands are made:

- To be free from mineral oils (to avoid swelling).
- Quick oxidative drying.

Both requirements are met perfectly by the RESISTA®-Label N 5080 series.

RESISTA®-Label N 5080		Fastness characteristics per DIN 16 524/25			
		Light WS	Alcohol	Solvent mixture	Alkali
Process inks					
Yellow	41 N 5080	5	+	+	+
Magenta	42 N 5080	5	+	+	-
Cyan	43 N 5080	8	+	+	+
Black	49 N 5080	8	+	+	+
Improved light fastness					
Foil Yellow	41 N 5040	7	+	+	+
Foil Red	42 N 5040	7	+	+	+

N = normal formulation

Special characteristics

- Especially intense oxidative drying.
- Free from mineral oils.
- Outstanding rub resistance.
- Outstanding nail- and scratch resistance.
- Good gloss.

- Good pile performance.
- High fountain solution tolerance.
- Quick formation of a stable ink/water balance.

Fields of application

Because of its mineral oil free formulation the RESISTA®-Label N 5080 series is particularly suited for printing on polyolefin film. It can be used with all common types of machines and various fountain application systems. In addition very good results are also obtained on metalized and cast coated papers. Because of its quick oxidative drying the process series can also be used when fast further processing of the prints is required.

RESISTA®-Label N 5080 is remarkable for its high colour strength and brilliance. The pleasantly soft, flowing consistency is especially printer friendly. Besides the system is remarkable for its high dot sharpness and prints rich in contrast.

Printing auxiliaries

Normally the inks can be used straight from the tin. Should it be necessary under exceptional circumstances, to adapt the process inks to special printing conditions, additives which are compatible with the mineral oil free binder system should be used.

We recommend

- to reduce the tack and consistency **Linseed Oil/Printing Oil 10 T 1405** only.
- to speed up the oxidative drying approx. 3% **Grafo-Drier 10 T 5001**.
- as a fountain concentrate **HYDROFIX®-B 801309**.

For varnishing specific dispersion varnishes – also for use on films – are available.

Labelling

German Hazardous Substances Ordinance (GefStoffV): none
Safety data sheet available on request.

How supplied

1.0-kg vacuum tin
2.5-kgs vacuum tin

Special colours

Specific special colours (e.g. house or brand name colours) of the same formulation as the process colours are available upon request.

Minimum order for special colours is 20 kgs per shade.

Contact addresses for advice and further information: www.hubergroup.de

This Technical information reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.

All product, brand and company names used in these Technical Information sheets may be registered trademarks of their respective owners.