



POLI-DTF 90

Product Information

POLI-DTF 90 is a printable film specifically developed for the creation of heat-transferable designs. After printing the film and adding the adhesive powder on top of the print, the designs can be transferred onto a multitude of dark or light textiles for a smooth matt finish.

Thanks to the transparent film, you can see even before transferring the vibrancy of the printed design. It also helps positioning the film correctly on your fabric.

Excellent ink absorption for increased opacity, increased and better adhesion of the adhesive powder. The special topcoat avoids ink or glycol bleeding while/after printing/powdering/drying.

POLI-DTF 90 will not retain the adhesive powder on unprinted areas. This film is suitable for desktop and production printers.

Due to variety of printers, inks and adhesive powders, we recommend a test and profiling before production.

The printable side is on the outside of the roll.

The raw materials are ecologically inert, do not contain PVC, plasticizers or heavy metals.

Standard Dimensions

600 mm x 100 m
300 mm x 100 m
A4 sheets
A3 sheets

Technical Data

Transfer Film:	Clear gloss polyester film with special coating for a matt finish with hot or cold peel
Thickness [mm]:	0,09 +/- 10 %

Printing Conditions

Please refer to the ink manufacturer and printer instructions and make your specific printing profile to achieve best colour gamut.

Adhesive application and transfer conditions

Please refer to the instructions specified for your adhesive powder. The adhesive powder can be applied manually or mechanically with an automatic powder shaker.

The film offers a high temperature resistance and stability (up to 160° C / 30 sec). POLI-DTF 90 can be used as HOT or COLD PEEL.

Wash Resistance

The wash-resistance depends on the inks and the adhesive powder used.

Safety Data Sheet

When used under normal conditions, this product does not generate or release any dangerous substances or hazardous chemicals. This is a non-hazardous product in accordance with the current GefStoffV and EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this product. The Safety Data Sheet serves only to comply with the regulation to supply information in accordance with REACH Regulation (EC) No. 1907/2006 and is available on request. This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the federal water act. After use, dispose of the waste product in accordance with the local/national authorities.

More information on page 2.

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The following technical details are issued to the best of our knowledge, however, without any responsibility. Due to the varied and application-related influences the product liability can only be applied to unprocessed material. Therefore, we highly recommend that before every usage a test should be conducted on the original material.



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Recommendations

Lifting of the PET-film from the transferred print:

Possible immediately, with very fine print images you might need to wait a few seconds, depending on the inks/adhesive powder.
If powder residue forms on the edge of the print, re-press 5 seconds.

Check regularly the printer and the powdering-station to ensure that the processes are in line with the settings and that the shaker is working correctly.

The functionality of new materials should be checked independently.
The further development of the DTF film will also pose new challenges to the consumables used in the future.

The film is characterized by reliable application and a wider range of fabrics and applications. Our products have been successfully tested and used for applications in sporting goods, high-quality clothing production and the surface finishing industry.

After processing, the films should be stored dry and not in direct sunlight

Suitable for prints from 12-20 m/hour

HR at the adhesive powder shaker: approx. 42%

Drying temperature in the drying oven: 80-90°C

After processing, the films should be stored dry and not in direct sunlight.

Rolls must be stored standing or hanging

Storing: 12-25°C in the original box, 50 - 60% RH
storing under 8°C should be avoided
Print-room conditions: 16-25°C

Material should be used within 12 months

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