

PRODUCT INFORMATION

Thirmco Hot Ink Rollers have been developed to perform on all popular Hot Ink over-printing machines and are produced in a comprehensive range of grades, colours and sizes to suit the vast majority of applications.

Selection of the most suitable product is determined by comparing the required outside diameter, length and colour with the Product Availability list. The ink series temperature range should match as closely as possible the machines actual operating conditions to ensure optimum print quality and life.

The Ink series themselves are designated as follows :

LO Series 100° C - 145°

Our standard, low temperature formulation offering medium scratch resistance on most packaging films. Contact with secondary heat sources should be avoided due to the low working temperature. Ideal for thin films where higher temperatures may cause the die to burn through the substrate. Mainly suited to Polypropylene and Polyethylene materials although the LO series adheres well to most substrates.

STANDARD COLOURS : WHITE YELLOW RED BLUE GREEN BLACK

NIS Series 90° C - 145°

Generally, Low temperature formulations have a tendency to produce a low print life. The NIS range, however, demonstrates all of the properties needed for successful printing at low temperatures - especially onto thin packaging films - yet can extend the number of impressions per roll by up to 50% over similar products. An aggressive initial "grab" makes it suitable for almost all packaging materials.

STANDARD COLOURS : WHITE YELLOW RED BLUE GREEN BLACK

LX Series 130° - 150°C

Mid temperature grade producing clean, densely coloured, well defined prints with very good scratch and smudge resistance. Performs on most packaging films such as Polyethylene, Polypropylene, Nylon and Polyester together with a wide range of surface treated papers and boards.

Please note that after a period of time, Black and darker coloured rollers may adopt a slightly greyed appearance. This is normal. When inserted into the printer and heated, the effect instantly disappears and this in no way affects print performance.

STANDARD COLOURS : WHITE BLUE BLACK

SP Series 135° - 165°C

Similar to our LX series, this formulation performs at a slightly higher operating temperature making it more suitable for faster production lines. You may expect very good print life, definition and opacity from this high quality product.

Please note that after a period of time, the roller may adopt a slightly grey appearance. This is normal. When inserted into the printer and heated, the grey instantly disappears and this in no way affects print performance.

STANDARD COLOURS : BLACK

HI Series 150° - 175°C

Superior adhesion and smear resistance operating at the higher end of printing temperatures. Versatile formulation suitable for Polyethylene, Polypropylene, and many other surface coated and uncoated films and papers.

STANDARD COLOURS : WHITE BLUE BLACK

RR Series 150° - 190°C

Best abrasion and smear resistance operating at the highest of temperatures. Ideally suited for Polypropylene and Mylar laminates, RR series inks should be considered when the print quickly passes over vertical packaging machinery forming shoulders. Recommended for Polypropylene, Mylar laminates and both coated and uncoated labels and cartons.

STANDARD COLOURS : WHITE BLACK

All sizes are packed 25 rollers per tray except 4024 and 3616 references which are packed 50 per tray. There are 6 trays per standard carton although other packing configurations can be used upon request. Special colours and other Non - Standard inks may be subject to minimum order quantities.

All inks have a shelf life of two years from date of manufacture. Slight discolouration may appear in some formulations after a few weeks, however, this will disappear when the roller is heated in the printer and does not affect the performance of the product in any way.

All of the above Hot Ink Rollers are made from Non - Toxic raw materials. Data sheets are available upon request.

Many Hot Ink printers have the facility for small adjustments to be made to the amount of pressure applied by the die - face to the roller. This adjustment should be used to overcome any problems caused by the modest variation in outside diameter of individual ink formulations. This is an important setting as it controls the quantity of ink removed by each print from the roller. Too much ink removal results in reduced print life whilst too little produces poor or even incomplete impressions.

SALES STAFF WILL BE DELIGHTED TO PROVIDE ADDITIONAL INFORMATION OR ASSISTANCE