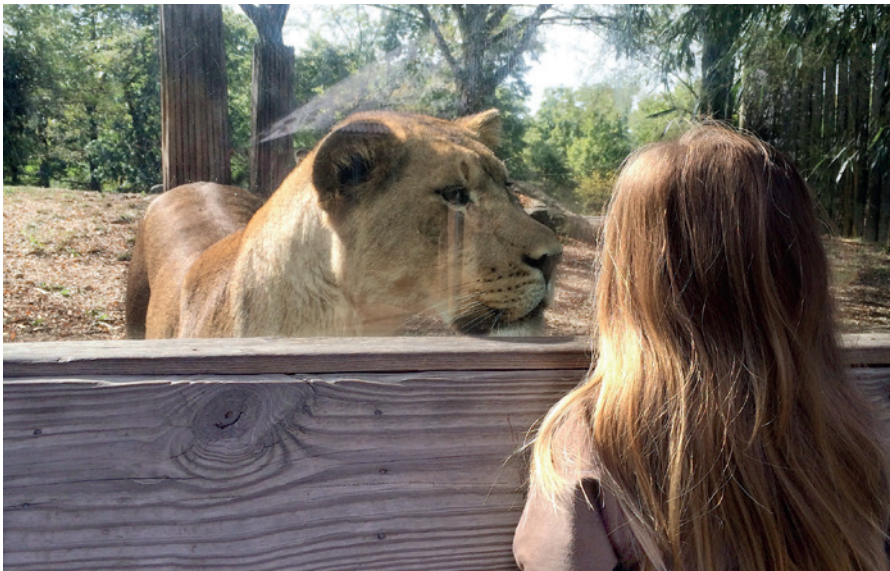


TEGO® RC 730 – FACE-TO-FACE PROTECTION



BENEFITS

- Protection barrier for thermal linerless labels
- No need for premium top coated thermal paper
- Cost savings
- Outstanding direct thermal printing performance
- Excellent cross-linking and anchorage
- Stable easy release values over time

A novel solution for direct thermal linerless printing.

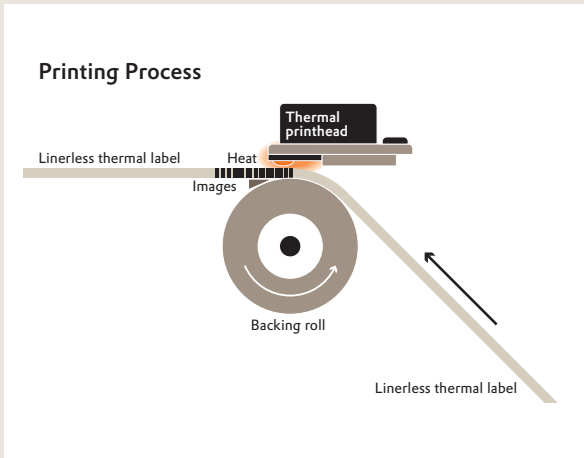
The new TEGO® RC 730 is designed to function as a superior coating layer for thermal paper.

Linerless direct thermal print labels have a thermal sensitive face stock material like paper or film. The release coating is applied on top of the thermal sensitive facestock and the adhesive is coated on the backside. The label material is wound on itself like a tape. The label is printable by thermal printers after siliconizing (see Figure 1). This allows Variable Information Print (VIP) on demand on labels with differing lengths.

Linerless solutions for direct thermal print labels are mainly used in scales for supermarkets, warehousing, logistic but also for luggage bag tags. Linerless labels provide several advantages such as less waste, fewer roll changes due to 40% more labels per

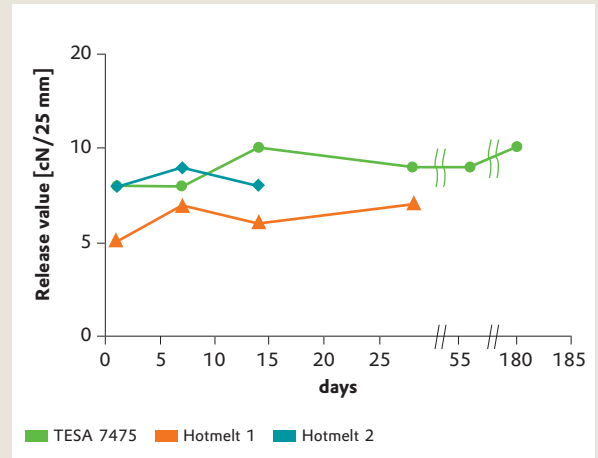
roll, variable label size, handling and consumer safety advantages by replacement of sales slip stapling. Upgrades for the thermal printing equipment to implement linerless label production and use are available in the market. The new TEGO® RC 730 provides integrated barrier properties so that economical thermal paper can be used. TEGO® RC 730 is used in combination with both TEGO® RC 902 and TEGO® Photoinitiator A18. The blend has good silicone hold out and improved silicone anchorage. The release coating provides stable easy release properties over time. It offers outstanding thermal printing performance on economical thermal paper with no silicone build-up on printing heads.

Figure 1



The coated thermal paper is selectively heated when the paper passes over the thermal print head. The coating turns black in the areas where it is heated, producing an image

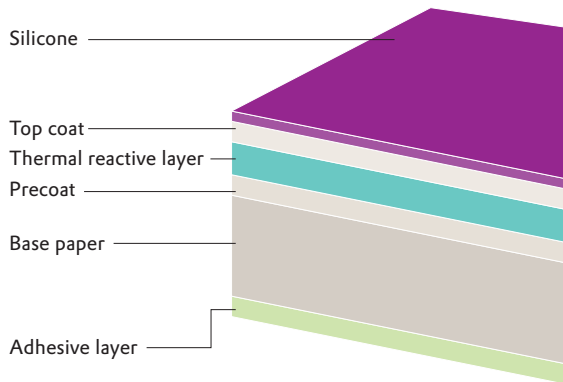
Figure 2



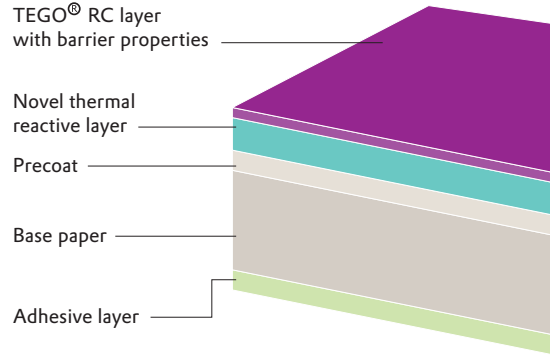
Release aging test of Mitsubishi LL8087 paper coated with blend of 60% TEGO® RC 730 40% TEGO® RC 902 and 2% TEGO® Photoinitiator A18 (FTM#3 - 40 °C with TESA 7475 and typical Hotmelts)

Figure 3

Top coated thermal linerless label



New version of thermal linerless label



Please refer to our product data sheet for more information. TEGO® RC 730 covered by an international patent of Evonik. More information about TEGO® RC Silicones can be found on our web site at www.evonik.com/tego-rc or ask your regular contact in your country. Request your free of charge samples for testing!

Evonik Nutrition & Care GmbH
 Goldschmidtstraße 100
 45127 Essen
 Germany

Contact:
 phone +49 201 173-2665
tego-rc@evonik.com