

TEGO® RC 730 – FACE-TO-FACE PROTECTION



BENEFITS

- Protection barrier for thermal linerless labels
- Premium top coated thermal paper not required
- Outstanding direct thermal printing performance
- Excellent cross-linking and anchorage
- Stable easy release values over time

An innovative solution for direct thermal linerless printing.

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

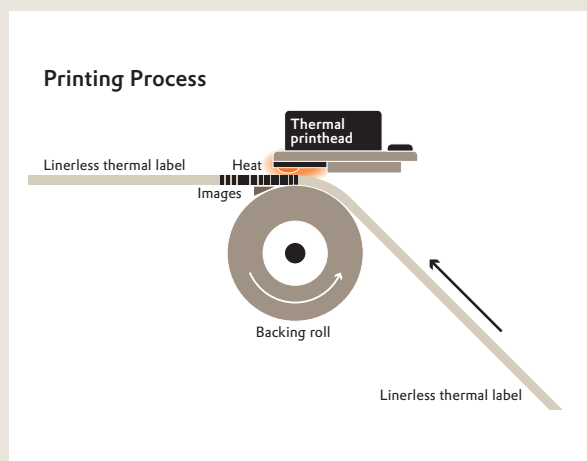
Linerless direct thermal print labels have a thermal sensitive face stock material like paper or film. The release coating is applied on top of the thermal sensitive facestock and the adhesive is coated on the backside. The label material is wound on itself like a tape. The label is printable by thermal printers after siliconizing (see Figure 1). This allows Variable Information Print (VIP) on demand on labels with differing lengths. Key applications are in weight scaling, fast food, warehousing, and transportation, driven by increasing on-line sales.

Less is more with linerless label technology. Linerless labels developed over the years are offering numerous benefits for the labelling process and the environmental footprint like less waste,

more efficient and flexible labelling processes, customizable label length, reduction of CO₂ in production, logistics and disposal. Upgrades for the thermal printing equipment to implement linerless label production and use are available in the market.

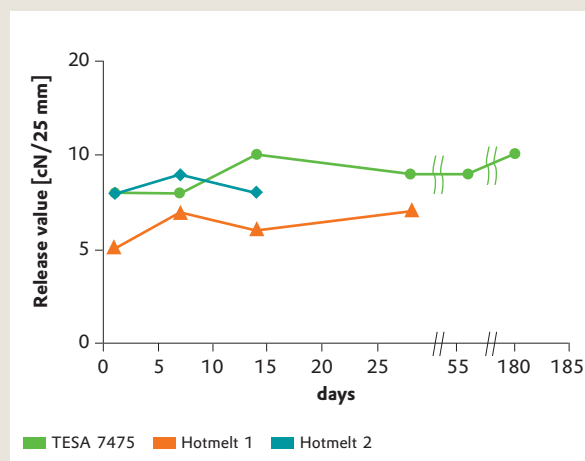
TEGO® RC 730 provides integrated barrier properties so that economical thermal paper can be used. TEGO® RC 730 is used in combination with both TEGO® RC 902 and TEGO® Photoinitiator A18. The blend has good silicone hold out and improved silicone anchorage. The release coating provides stable easy release properties over time. It offers outstanding thermal printing performance on economical thermal paper with no silicone build-up on printing heads (see Figure 2).

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

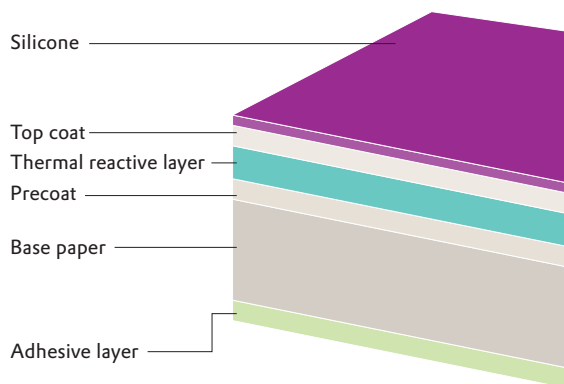
Figure 2



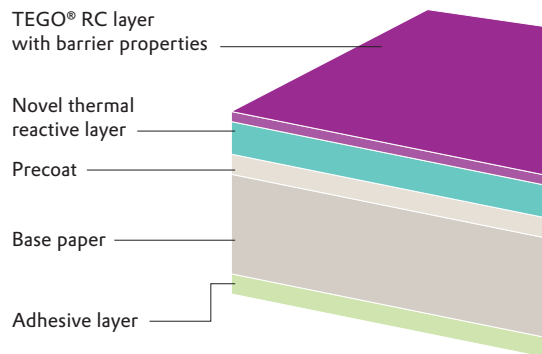
Release aging test of Mitsubishi LL8087 paper coated with blend of 60% TEGO® RC 730 40% TEGO® RC 902 and 2% TEGO® Photoinitiator A18 (FTM#3 - 40 °C with TESA 7475 and typical Hotmelts)

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!

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