

CONVERTED RELEASE LINERS ADD VALUE

Reference Guide to Slit Liners, Extended Liners & Pull Tabs

As a converter of flexible materials, MBK Tape Solutions offers a variety of release liner options used for medical and wearable devices, electronics, graphic arts, aerospace, construction and industrial applications. Pairing the right release liner with the adhesive roll, sheet or part enables the manufacturing process and finished product to function and perform with ease and consistency. Thus, collaborating with an experienced converter to design a product will help improve your products performance, while reducing costs.

Release Liner Construction

Release liners consist of paper or film coated with a silicone-based or specialized NSR non-silicone release agent in various thickness, release values and degree of rigidity. Liners are used to protect and transport the adhesive until it reaches its applications. They also provide support to an adhesive during web processing.

Release liners are available

- Easy, Medium or Tight Release – the release chemistry helps determine the correct surface energy to pull away while leaving the adhesive fully intact and functional.
- C1S Coated on One Side (Single Coated) – typically provides protection for an adhesive that is laminated to a film or paper substrate and is often used as a die-cutting base.
- C2S Coated on 2 Sides (Double Coated) - typically used to carry an adhesive that must be wound together with the release liner on its own surface and then unwound for use, thus both surfaces of the release liner need to be coated with silicone to prevent the adhesive from sticking to itself.
- Differential Release – typically coated on both sides with a silicone-based release that is designed to provide different release values. Often used with transfer adhesives or when using two different adhesives.
- Printed Liners – typically used for branding and instructions.
- Medical Grade Release Liners – meets demanding biocompatibility requirements during curing, the converting process, sterilization and storage.

Converted Release Liners Add Value to Your Product

When designing a product, the experienced converter considers the different chemistries and roles that adhesives and release liners play in both the manufacturing process and the end-product application. By slitting, scoring or adding extended liners or pull tabs, converters can make the product quicker to assemble during manufacturing and easier for the finished product to be applied.

Slit Liners

Slit Liners can be scored (not cut through totally) or slit through the liner (not the tape). This process aides in peeling the liner from the adhesive when needed.



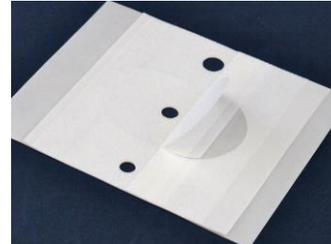
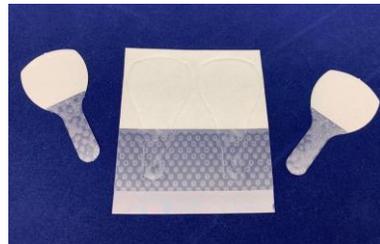
Extended Liners

Extended liners have a non-adhesive backing that is wider than the adhesive which provides a simple grip to pull the tape from the roll quickly and easily. Often used for adhesive tapes that are straight and supplied on a roll or in strips and shapes supplied on a sheet.



Pull Tabs

Pull Tabs have a non-adhesive material protruding at the edge of a custom die cut shape. This tab provides a faster and better grip and more consistent release at the assembly line and can be made in various forms such as butterfly or overlap liner. Pull tabs can be used for assembling, joining, attaching, and mounting applications.



Each converting process has advantages and limitations, so it is important to understand each customer's manufacturing requirements, equipment and constraints and end-user's application technique. To discuss how we can best meet your needs, please call 818-998-1477 or email info@mbktape.com.

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