

Flexseal

Sealed edges enhance hygiene,
food safety and service life



Habasit is continuously innovating and has developed an extensive variety of quality solutions for our customers. Flexseal is an edge protection feature that Habasit offers for many of its TPU, PVC and TPO belts. It provides a cost-effective way to enhance belt sanitation, food safety and service life of the belt.

In the Flexseal manufacturing process, both edges of the belt are encapsulated in thermoplastic to seal fabric layers. The encapsulated edges create a more durable, hygienic construction that prevents fraying, wicking, and minimizes the potential for layer separation; serving to inhibit food contamination and enhance sanitation. Flexseal has proven to dramatically reduce the impacts of edge abrasion on Habasit, food-grade TPU belts.

Flexseal edges are ideally suited for bakery, confectionery, meat, poultry, dairy, fruit, vegetable, tobacco, and other agricultural processing applications, plus non-food applications that cannot tolerate the risk of belt-edge fraying.

Advantages

Enhanced food safety:

- FDA approved on applicable belt types
- USDA certified enhancement for select belts
- Easy, more complete cleaning & sanitation
- Eliminates fabric fiber contamination

Increased service life:

- Robust and durable, mitigating edge damage

Small transfers:

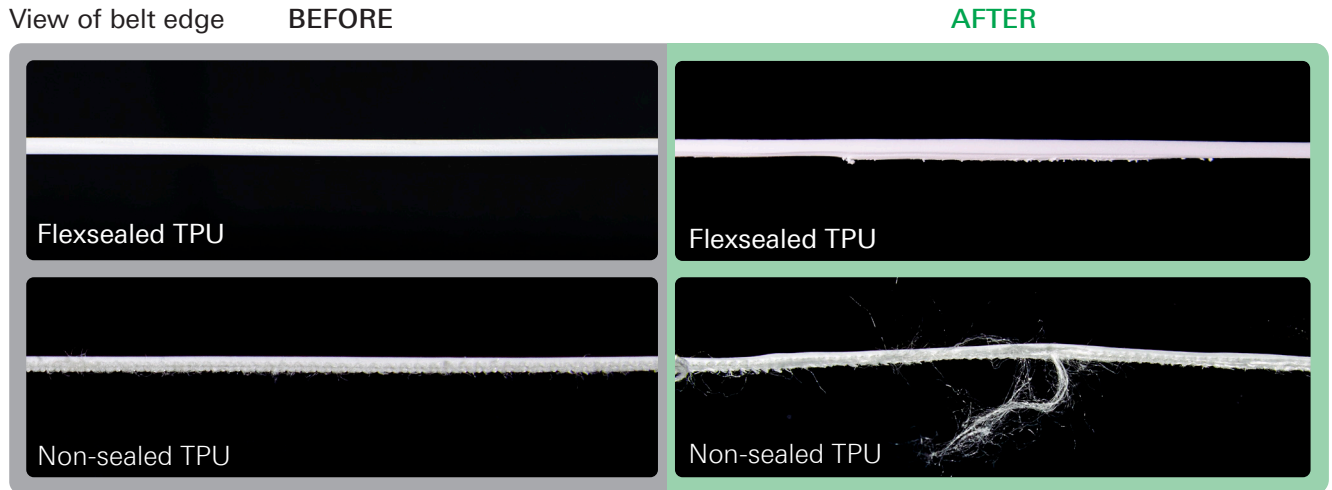
- Excellent flexibility for use on nosebars

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Edge Abrasion Testing

Habasit subjected Flexsealed and non-sealed food-grade TPU belts to identical edge abrasion tests. The below pictures show the before and after results of six hours of continuous accelerated steel edge abrasion testing.

The Flexsealed belt showed no signs of fabric thread loss, and also demonstrated 33% less wear loss than the non-sealed belt.



Enhanced Food Safety – The Flexseal process has been FDA certified and is a USDA certified enhancement on select belts. Flexseal provides a closed solid belt edge that makes cleaning and sanitation easier and eliminates fabric fiber contamination.



Increased Service Life – Flexseal provides a more durable and abrasion-resistant belt edge that minimizes damage from belt mistracking. This keeps the belt in service longer.

Contact your local Habasit representative to discuss additional capabilities needed to meet customer requirements.