

UV-C-Resistant TPU Food Belts



Habasit is setting new benchmarks by adding the feature of UV-C resistance to already well proven TPU food belts.

Belts with this new UV-C-resistant feature are particularly suitable for the use in the meat industry, especially in slicer, skinner and dicer lines.

Five times longer belt life

The new UV-C-resistant attribute counteracts the aging of the belt surfaces caused by disinfecting UV-C radiation. Extensive lab and field tests in a typical meat processing application have proven that Habasit TPU food belts with UV-C-resistant properties achieve an up to five times longer belt lifetime than untreated belts (results can vary by application conditions and UV-C system used):

- Cost savings due to longer belt service life and fewer belt replacements with UV-C disinfection device
- Hydrolysis-resistant TPU assures long lifetime in humid environment
- EU and FDA conformable belts guarantee full safety



Impact of UV-C disinfection on belt surface

Belt surface **before** exposure to UV-C radiation



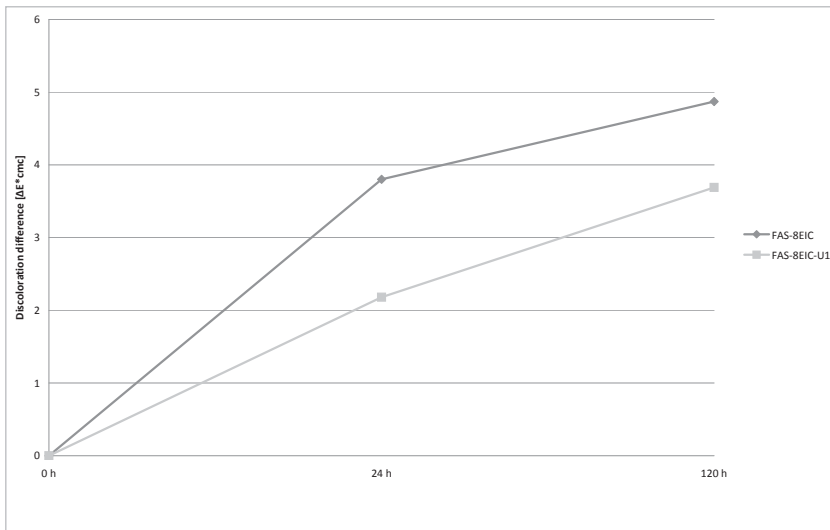
Belt surface **after** exposure to UV-C radiation



Test results of color change (visual impact measured)

- UV-C protection allows exposure time by a factor of 5 compared to unprotected belts.

Color change impact of UV-C radiation



Surface degradation (material integrity)

- No impact on protected belt surface after 24 h permanent radiation
- This represents e.g. for a short belt of 2 m length: 140 working days use possible

Test conditions used represent application

- Two shift operation 16 hours/day and 5 days/week
- Length of the belt $L = 2,000$ mm
- Exposure intensity $E = 10$ mW/cm²
- Temperature $t < 25$ °C

This **disclaimer** is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.

EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.

Headquarters
Habasit AG
CH-4153 Reinach-Basel
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasit.com
www.habasit.com



Copyright Habasit AG
Subject to alterations
Printed in Switzerland
Publication data:
4346FLY.CVB-en1215HQR