

Monolithic Elastic Belts

Comprehensive belt solutions



Companies often need multiple belting solutions to complete a single task. Habasit’s monolithic elastic belt product line offers a comprehensive range of capabilities that solve the numerous application needs of the food and non-food industries.

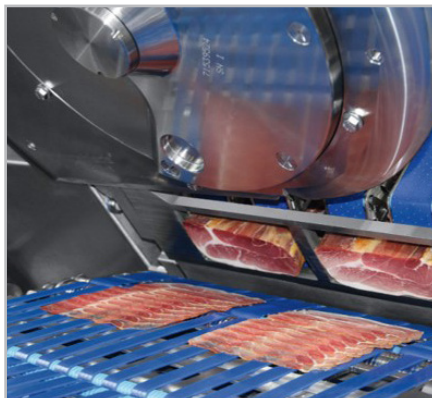
Monolithic elastic belts are made of durable and proven thermoplastic polyurethane (TPU) without fabric reinforcement, providing highly elastic properties which make installation and tensioning easy and eliminate the need for tensioning devices. The wide range of configuration options allows the belts to be fine-tuned to a customer’s specific needs. Thickness options can be configured for heavy and demanding loads. Hardness and material surface structures can be configured to have the proper adhesion for the conveyed material.

Monolithic elastic belts offer chemical and abrasion resistance extending the belt’s longevity. Select belts are also available in hydrolysis-resistant material. Monolithic elastic belts are ideal for the food industry; FDA and EU compliant belts are available in white and cobalt blue. They’re also ideal in the non-food industries where durability and dependability are key.

The benefits of monolithic elastic belts include:

- Wide range of options available for specific needs
- High abrasion resistance
- Exceptional chemical resistance
- Flexibility over a wide range of temperatures
- Easy to install and tension
- No wicking, reducing the risk of contamination

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Key Features	Customer Benefits
Chemical resistance	<ul style="list-style-type: none"> Resistant to oils, grease, and numerous solvents Withstands harsh cleaning procedures
Flexibility over a wide range of temperatures	<ul style="list-style-type: none"> Can be used with small pulley diameters in a wide temperature range Longer lifetime
Enhanced UV-C resistant material	<ul style="list-style-type: none"> Broad range of applications in the food industry Longer lifetime and performance in UV-C applications
Metal detectable material	<ul style="list-style-type: none"> Easy detection of belt pieces Improved process and product safety (food)
Free of fabric or fibers for reinforcement	<ul style="list-style-type: none"> No wicking No need to edge seal for use in humid food applications
Inherent elastic behavior	<ul style="list-style-type: none"> Easy to install and tension No need for tensioning devices on machinery
Combinations with two-sided embossing are possible	<ul style="list-style-type: none"> Provides improved product adhesion and draining

Product Characteristics

Belt material	Polyester TPU Polyether TPU
Temperature range	-22° F to 140° F (-30° C to 60° C) - Product dependant
Thickness	0.3 mm up to 4.5 mm for heavily embossed versions
Hardness	FDA/EU conform: 70 ShA, 85 ShA, 89 ShA, and 92 ShA Non-food conform: 55 ShA, 65 ShA
Colors	Black White Cobalt blue

For the full product data sheets, please visit portal.habasit.com

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

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