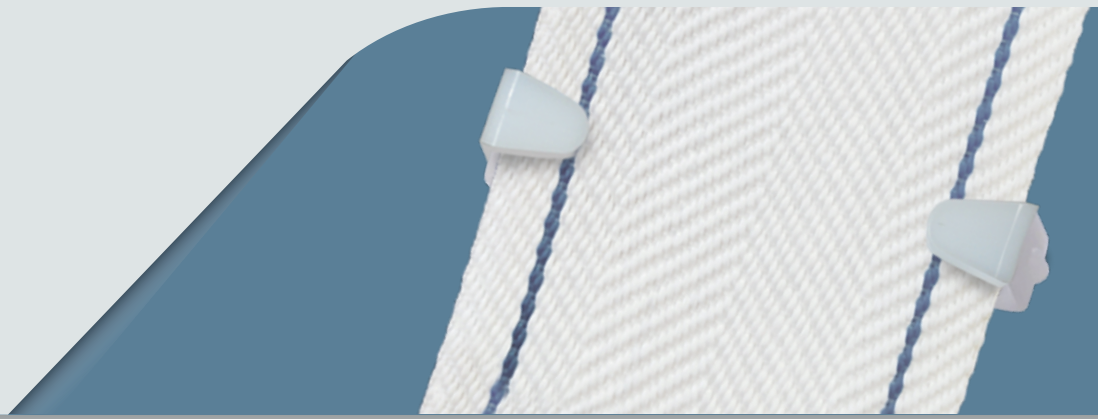




POULTRY BELTS

BANDAS AVÍCOLAS



TECHNICAL DATASHEET

EGG BELT CLIP

DIMENSIONS

Length	Width	Height
11.5 cm	1.6 cm	3 cm

TECHNICAL FEATURES:



Ideal distance
between clips 15 m



Weight 10.6 g
approximate



Ideal for
bands of
9 to 10 cm

Poultry Belts' Egg Belt Clip is ideal as a complement to egg collection systems. Its core function is to maintain the position of conveyor belts and provide stability to the equipment. Our Egg Belt Clip is made of PPB – Polypropylene Block Copolymer. To better understand this type of raw material, it is necessary to follow the following sequence:

1. Polypropylene (PP) is a rigid crystalline thermoplastic used in everyday objects.
2. The two main types of PP readily available in the market are: homopolymer and copolymer.

- a) PP homopolymer is most widely used as a general-purpose grade raw material.
- b) Polypropylene copolymer is further divided into:

3. Random copolymer – nonregular pattern – and block copolymer – regular pattern.

The difference between the two is that the regular pattern, or blocks, makes the thermoplastic tougher and less brittle than the random copolymer. Therefore, it is suitable for applications requiring high impact resistance, such as industrial usages. It is so strong that it can even be used up to a temperature of approximately -30°C .

Poultry Belts' Egg Belt Clip comply with international environmental protection standards and work with 9 to 10 cm wide conveyor belts.

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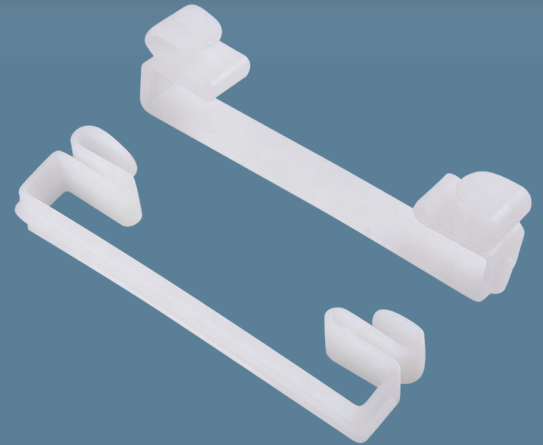
POULTRY BELTS

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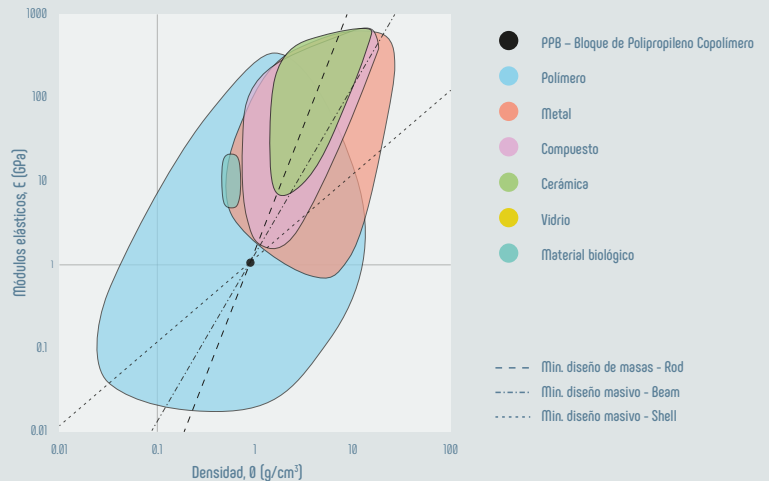


TECHNICAL DATASHEET

POLYPROPYLENE MONOFILAMENT YARN EGG CONVEYOR BELT



Properties	
General	
Density ρ	0.9 - 0.91 g/cm ³ a 20 °C
Mechanical	
Elastic modulus E	0.8 - 1.3 GPa a 20 °C
Elongation A	20 - 800 % a 20 °C
Impact strength, Charpy notched I/not	2.5 - 85 kJ/m ² a 20 °C
Impact strength, Charpy unnotched I/unnot	No break
Tensile strength R_m	20 - 30 MPa at 20 °C at 10-20% strain
Thermal	
Coefficient of thermal expansion α	1E-4 - 1.5E-4 1/K a 20 °C
Flammability UL	94 HB
Max service temperature, long T _{max} /long	80 °C
Max service temperature, short	90 °C
Melting point T _m	160 - 168 °C
Specific heat capacity c_p	2000 J/(kg·K) a 20 °C
Thermal conductivity λ	0.17 - 0.22 W/(m·K) a 20 °C
Electrical	
Dielectric constant ϵ_r	2.2 - 2.3 [-] a 20 °C
Electrical resistivity ρ_{el}	1.00E+11 - 1.00E+14 $\Omega \cdot m$ a 20 °C
Optical	
Transparency	no



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