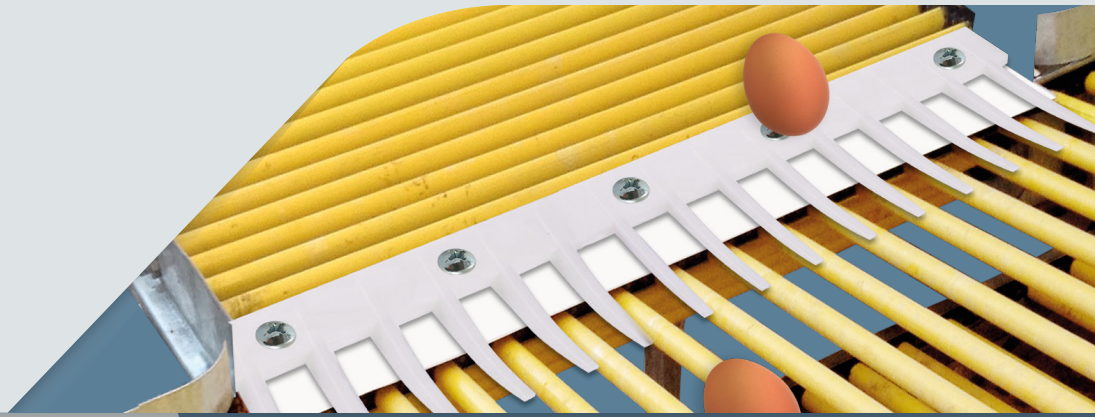




# POULTRY BELTS

BANDAS AVÍCOLAS

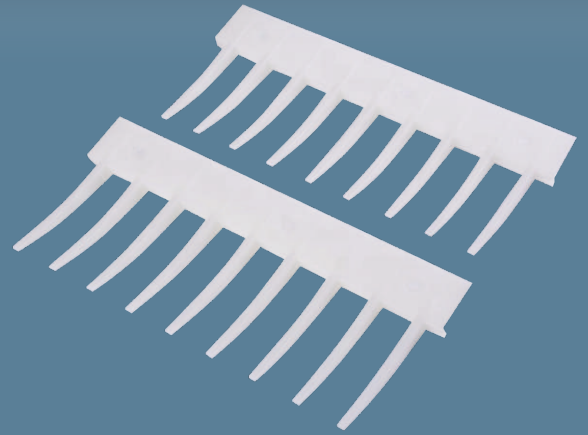


## TECHNICAL DATASHEET

### HEN EGG TRANSFER CLAW

#### DIMENSIONS

Length	Width
24 cm	11.15 cm



#### TECHNICAL FEATURES:



Each claw has 9 prongs



Ensures egg integrity



Ideal for egg transfer

The egg transfer claw is the perfect device used as a complement to egg collection systems in laying hen farms. It allows the transfer of eggs from one conveyor belt to another, thus effectively reducing the rate of broken eggs throughout the egg transfer process.

The Hen's Egg Transfer Claw is manufactured from Nylon 6. Nylon – Nylon®, registered trademark – or polycaprolactam is a semicrystalline polyamide. Unlike other nylon plastics, it is not a condensation polymer. Nylon 6 provides outstanding wear and abrasion resistance, long-term heat resistance, high flame-resistant grades (UL 94V0), and a high water absorption.

Nylon 6 fiber is produced in two ways: as a regular type for textile uses and as a high-strength type for industrial uses. Most nylon 6 is produced in the form of filament yarns and staple fiber yarns. It can be molded into a variety of articles, such as combs and machine parts.

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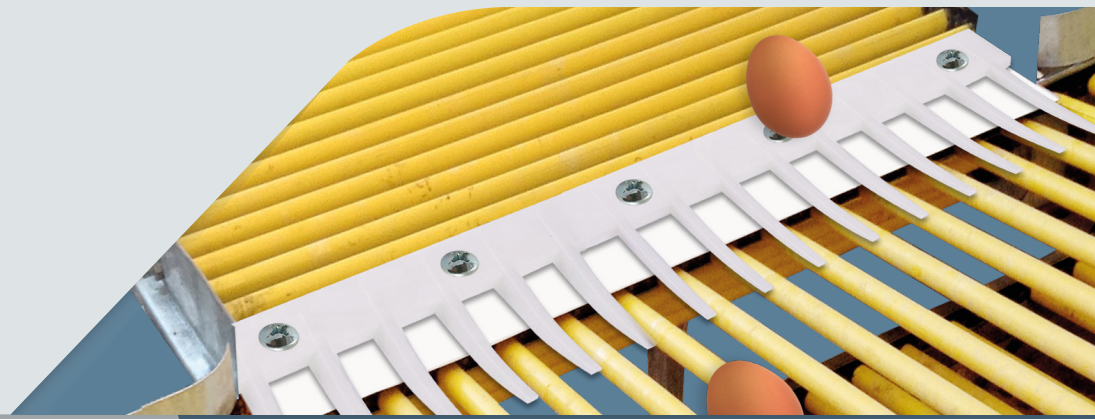
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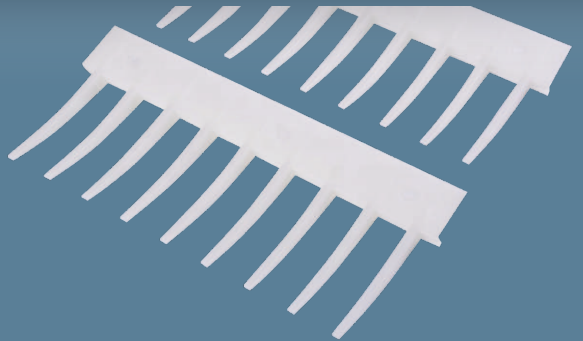
# POULTRY BELTS

BANDAS AVÍCOLAS



## TECHNICAL DATASHEET

### HEN EGG TRANSFER CLAW



#### COMPARISON CHART OF NYLON 6 AND NYLON 66

PROPERTIES	STANDARD	UNITY	NYLON 6	NYLON 6/6
Tensile strength at yield	ASTM D 638	MPa	50	70
Température de Service Minimum Continu	-	°C	-40	-30
Température de Service Maximum Continu	-	°C	100	110
Melting point	DIN 53736	°C	220	245
Elongation at break	ASTM D 638	%	100-300	60-300
Flexural strength	ASTM D 790	MPa	100	100
Flexural or bending modulus	ASTM D 790	GPa	2	2,1
Notched Izod impact strength at 23°C	ASTM D 256	J/m	55	130
Notched Izod impact strength at -40°C	ASTM D 256	J/m	21	30
Rockwell Hardness	ASTM D 785	R	120	100
Density	ASTM D 792	g/cm <sup>3</sup>	1,14	1,14
Moisture absorption	ASTM D 570	%	1,6	1,3
Vicat softening temperature B/120	ASTM D 1525	°C	206	252
Heat deflection temperature: 1,82 MPa	ASTM D 648	°C	65	90
Heat deflection temperature: 0,45 MPa	ASTM D 648	°C	180	235
Flammability: 1,6 mm	UL 94	-	V-2	V-2
Mold shrinkage	ASTM D1299	%	1,2	1,5
Specific heat	-	-	1,7	1,7
Dielectric strength	ASTM D 149	kV/mm	19	24
Dielectric constant	ASTM D 150	-	5	5

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