MATERIALS

POLYACETAL

With a specific weight of 1.5 approximately, the technical polyacetals are the thermoplastics with the lowest coefficient of friction. That is why it is the material used in accumulation tables for all kind of containers, as damages and crushing on their surfaces are avoided.

Its great mechanical resistance enables the polyacetal to transport heavy loads.

It can support temperatures ranging from –40 ºC to +90 ºC, and it has a great resistance to penetration, so that it is used in manipulation processes in which it exists the possibility of cuts and impacts to take place.

Good chemical resistance: to solvents, greases, and an extensive list of chemical agents.

It fulfils the regulations of the F.D.A. to be used in food processing applications.

The electrically conductive polyacetal stands out for its low electric resistance. It is the suitable material to dispel the electrostatic charges originated in the transport of containers or cans, due to the friction among themselves or with the belt. The use of this material together with metallic or electric-conductive-material wearstrips makes easy the discharge to earth of the belt through the conveyor.

POLYPROPYLENE

With a specific weight of approximately 0.9, it floats in the water, and it is the material employed in most of the applications as it can bear temperatures ranging from +1 ºC to +104 ºC, as well as it is extremely resistant to traction.

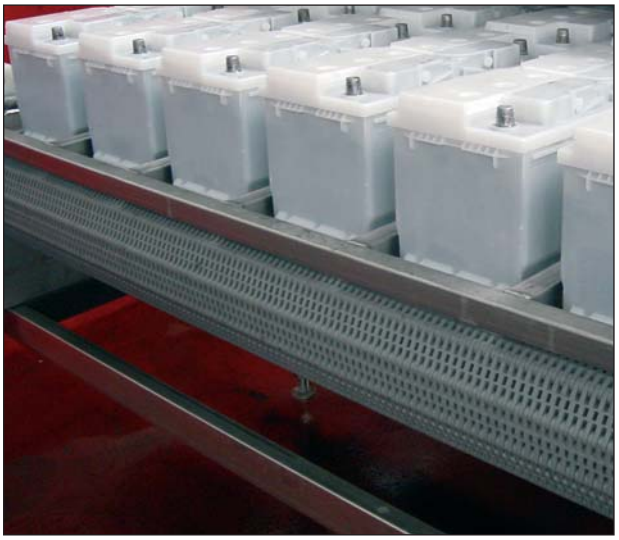
It has an excellent chemical resistance to almost all acids and concentrated bases, salts and detergents. That is why it is essential to be used in environments involving those types of substances.

Though it has a resistance to impact close to 10 Kj/m^2 (DIN 53453), it becomes fragile under a temperature of +5 ºC.

It fulfils the F.D.A. regulations to be used in food processing applications.

The electrically conductive polypropylene is used to discharge the electrostatic charges through the conveyor structure. It is suitable for applications of transport of people and machine/worker parallel movement.

We have a black Polypropylene available, resistant to UV rays, to be used outdoors.



POLYETHYLENE

With a specific weight of 0.95 approximately, it floats in the water.

It is the most suitable material for freezing processes as it can support temperatures ranging from –50 ºC to +65 ºC.

It stands out for its excellent resistance to impact, flexibility and resistance to fatigue.

Good chemical resistance to many acids and concentrated bases, salts and detergents.

Its low coefficient of friction provides excellent sliding properties, minimum adherence and absorption.

It fulfils the F.D.A. regulations to be used in applications of food processing.

We have a black Polyethylene, resistant to UV rays, to be used outdoors and at low temperatures.

THERMOPLASTIC RUBBER

The thermoplastic rubber has good friction properties. It is used to achieve a maximum friction in the surface of the belt. It is ideal for inclined conveyors.

Resistant to oil and chemical products.

Wide temperature range, from –40 ºC to +103 ºC.

Hardness SHORE A 64.

It fulfils the regulations of the F.D.A. to be used in food processing applications.

NYLON

Its main characteristic is the resistance to wear in highly abrasive environments, as well as the resistance to high temperatures.

It is mainly used in the manufacture of finger plates and anti-abrasion rods.

Resistance to traction between 400–600 Kg/cm^2

TABLE OF MATERIALS AND COLOURS IN STOCK

Series	Type	Polypropylene				Polyethylene			Polyacetal		
		white	grey	blue	black	natural	blue	black	white	blue	natural
20	Flat Top	■	■			■				■	
	Flush Grid	■	■			■				■	
	Raised Rib		■							■	
	Friction Top	■	■			■				■	
	Trian					■					
	Sliding Rollers	■	■			■				■	
A24	Flat Top	■	■	■		■	■			■	■
	Flush Grid	■	■	■		■	■			■	■
	Raised Rib		■							■	
30	Flat Top	■	■	■		■				■	
	Perforated Flat Top	■	■			■				■	
	Flush Grid	■	■			■				■	
	Raised Rib		■							■	
	Sliding Rollers	■	■			■				■	
31	Lateral Transfer-152.4 mm									■	
32	Flat Top - 82.5 mm									■	
	Flat Top - 114.3 mm									■	
	Flat Top - 152.4 mm									■	
	Flat Top - 190.5 mm									■	
40	Flat Top	■	■			■				■	
	Flush Grid	■	■			■				■	
	Non Slip				■						
	Sliding Rollers	■	■			■				■	
41	Raised Rib		■								
50	Flat Top	■	■			■	■	■			
	Perforated Flat Top	■	■			■					
	Flush Grid	■	■			■	■	■			
	Open Grid	■	■			■	■				
	Knurled	■	■							■	
	Conic	■	■			■				■	
	Friction Top	■	■			■	■	■			
	Conic Friction	■	■			■	■	■			
	Sliding Rollers	■	■			■	■	■			
80	Flat Top	■	■	■		■			■	■	■
	Perforated Flat Top	■	■			■			■	■	■
93	Flush Grid without edge tab	■	■			■				■	■
	Flush Grid with edge tab	■	■			■				■	■
	Conic	■	■			■				■	■
	Conic Friction	■	■			■				■	■
	Sliding Rollers	■	■			■				■	■

The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.