



Technical data sheet

BELT TYPE P9/A

Code number 5E12

MOST POPULAR APPLICATIONS:

- To convey foodstuffs in general. Suggested for chocolate and its substitutes and products with vegetable oil and fat. Cooling tunnel, connecting belts and belts for food and confectionery industry.

GENERAL CHARACTERISTICS:

85° Shore A PU covering, with high resistance to fats, oils and to abrasion. Suitable for direct contact with food according to Italian laws and to FDA/USDA standards.

Belt structure

| | |
|----------------------|-------------------------|
| Number of plies | : 2 (two) |
| Weft | : Rigid |
| Top cover | : PU |
| - Colour | : White |
| - Thickness | : 0.3 mm |
| - Hardness | : 88 Shore A |
| - Surface | : Matt |
| Bottom cover | : raw fabric |
| Total thickness | : 1.3 mm |
| Weight | : 1.4 kg/m ² |
| Antistatic | : yes |
| Max production width | : 3,000 mm |

Minimum pulley diameters

| | |
|-----------------|---------|
| Normal flexing | : 10 mm |
| Counter flexing | : 20 mm |

Conveyor frame characteristics

| | |
|---|-------|
| Slider beds | : Yes |
| Metal troughs | : No |
| Support with horizontal rollers | : Yes |
| Support with trough idlers (2 or 3 rollers) | : No |
| Special and mixed trough idlers | : No |
| Sliding on the return side | : No |

Belt strength

| | |
|-------------------------------|-------------|
| Breaking load | : 80 daN/cm |
| Max. suggested working load | : 8 daN/cm |
| Working load at 1% elongation | : 6 daN/cm |

Joining methods

| | |
|---------------|---------|
| Hot execution | : FS |
| Fasteners | : G1 ss |

Operating condition

| | |
|--|-----------|
| Contact temperature range | : 30+80°C |
| <p>The product temperature can vary by up to 25% more or less than the contact temperature range depending on: contact time, product weight, dispersion and ambient temperature.</p> | |

Friction coefficient (bottom cover)

| | |
|--|--------|
| Stainless steel, BA | : 0.20 |
| Stainless steel, 2B | : 0.18 |
| Stainless steel, 2D | : 0.25 |
| Rolled steel plate | : 0.20 |
| Plastic sheet (brilliant surface) | : 0.20 |
| <p>BA = Brilliant surface 2B = Half-brilliant surface 2D = Hot-laminated surface</p> | |

SPECIAL EXECUTIONS: With welded transversal PU profiles.

The data in this data sheet were measured at a temperature of 20°C and a relative humidity of 65 to 70%. Above data are subject to change without prior notice by **Sampla Belting S.p.A.**

20 April 2001