

Innovation & Solutions

Trelleborg's **Rollers & Belts** operation, leading manufacturer and supplier of **rollers and sleeves coverings** for the tissue converters and belts for the textile industry, offers a wide range of solutions for:

- Rubber and polyurethane rollers for the converting industry (tissue, foils, textile finishing, non-woven...)
- Composite sleeves manufacturing
- Rubber shrinking belts for textile finishing
- Roll covering tapes

Beyond the product we offer also:

- A committed Research and Development activity
- A dedicated manufacturing unit in France
- A NIP Simulator system to tailor-make/customize our rollers coverings and match application requirements
- An integrated logistic service



Press Plast 4D

Polyurethane Marrying Rolls Solution in Double Hardness Shore D/Shore A

Trelleborg new Press Plast 4D is the exclusive roller covering combining the advantage of both Shore D and Shore A hardness.

The inner layer 90 shore A allows to keep the rubber covering flexible, able to adapt to the different settings of the lamination unit, that may change according to the final product configuration.

The outside layer 65 shore D allows a perfect bonding of the plies, whatever the number of plies. The re-embossing of the bottom ply is prevented thanks to a high pressure into a narrow nip footprint.

Antistatic characteristics of Polyurethane prevent the deposit of residues on the roller and allows easy cleaning operations, reducing downtimes.

Press Plast 4D withstands loads change while maintaining an even nip footprint. As a result of its versatility, Press Plast 4D can be used for different kind of productions and the hardness can be adapted upon customer/application technical requirements.

Marrying roller covering for Tissue converting

Key Features

- Concentricity tolerance < 20 µm
- Cylindricity < 50 µm
- Low surface roughness (0,7±1 Ra)
- Dimensional stability
- Antistatic properties
- Ability to match with different nip footprints
- Longer product life
- Narrow NIP thanks to increased specific pressure
- Extended mechanical stress resistance
- Abrasion resistance

Benefits

- Perfect assembly of the plies
- Preserving product thickness
- No back side effect
- Easy cleaning operations
- Improving machine polyvalence
- Even bulk, all along the log
- Matching different nip footprints, thus enhancing versatility to produce different products
- High cut resistance



The product at a glance

HARDNESS	Inside 90 SHA – Outside 65 SHD (or upon request)
MAXIMUM LINEAR LOAD	70 Kg/lcm
MAXIMUM WORKING SPEED	800 m/min
COLOUR	Inside yellow /Outside Blue (or upon request)

FOR MORE INFORMATION CALL US NOW: +33(0)389 384 213
OR EMAIL US AT: printingsm@trelleborg.com
www.trelleborg.com/printing