



Gomplast[®]
RUBBER ROLLER COVERING

TEXTILE INDUSTRY



TOPDRY

HIGH SQUEEZE EFFICIENCY

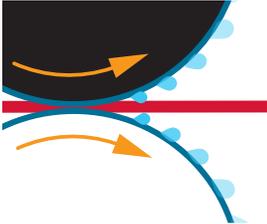
HIGH SQUEEZE EFFICIENCY

TOPDRY high squeezing system, which has been formulated with a synergic combination of several polymers, is based on 2 rubber roller coverings of high hardness and very specific thickness, designed to:

- Maintain their mechanical properties stable (making the regrindings unnecessary for several years).
- Achieve the **most efficient water squeezing** of the fabric, especially over thick and compressible substrates.

THE WATER REMOVAL

The high hardness combined with the specific rubber thickness of the TOPDRY coverings make the water removal of the fabric possible, both on its surface and inside its structure, by acting on 3 different spots:

	Location	Water	TOPDRY Water Removal
	Entering the NIP	On the surface of the fabric	TOPDRY's high hardness combination ensures the higher extraction of superficial water by barrier effect at the entrance of the NIP. The harder the rubber combination on the padder, the higher the barrier effect.
	On the NIP	Inside the fabric's structure	At a given pressure of 50 kg/lcm TOPDRY system arrives faster and to a higher specific pressure than regular rollers (30-35 kg/cm ²) by achieving a smaller contact area (thinner NIP) allowing us to obtain an efficient water elimination. In addition, the use of 2 flexible rubbers allows us to penetrate better inside the structure of the fabric so we can extract the maximum amount of water. When one of the two rollers is ebonite the penetration rate is very low and all the compression effort is suffered by the soft roller.
	Exiting the NIP	Re-absorption effect	When exiting the contact area, and while the rubber is going back to normal after the deformation, the fabric re-absorbs some of the already removed water that remains on the roller surface (specially on thick fabrics). TOPDRY's properties return the rubber to its original shape very fast allowing an immediate separation of the fabric and decreasing the water re-absorption.

TOPDRY ADVANTAGES

- ✓ Highly accurate hard hardness ratio.
- ✓ Quick recovery of original shape after deformation.
- ✓ Hardness stability.
- ✓ Increases squeezing rate.
- ✓ Barely need regrinding: TOPDRY coverings maintain its mechanical properties for years.
- ✓ Valid for any type of fabric: thin, thick, compressible, non compressible.
- ✓ No damage of the fabric thanks to our two elastic coverings.