

BIFLEX: HIGH SQUEEZE EFFICIENCY

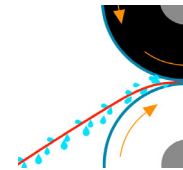
The BIFLEX quality recently developed at Gomplast's R&D laboratory consists of a synergic combination of polymers that results in a high hardness material with outstanding elastic recuperation under high working pressures making it ideal for the high squeeze positions of the textile finishing padders

Based on 2 rubber roller coverings of 94° Shore A vs 96° Shore A that have been designed to maintain their mechanical properties stable (making the regrindings unnecessary for several years) and to achieve the most efficient water squeezing of the fabric

THE WATER REMOVAL

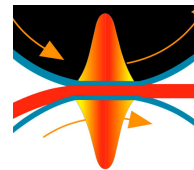
1. On the surface of the fabric

BIFLEX's 96 vs 94° Shore A hardness combination ensures the higher extraction of superficial water by barrier effect at the entrance of the NIP



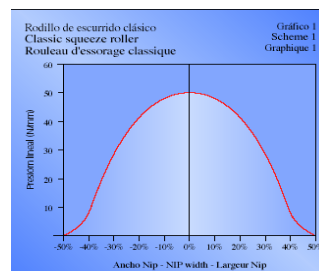
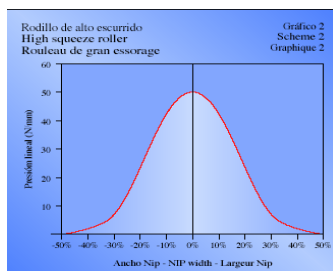
2. Inside the fabric's structure

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



WHAT HAPPENS AT THE NIP

At a given pressure of 50 Kg/lcm Biflex system arrives faster and to a higher specific pressure than regular rollers (30-35 Kg/cm²) by achieving a smaller contact area (thinner NIP) allowing us to obtain an efficient water elimination



BIFLEX ADVANTAGES

1. Increases squeezing rate
2. Reduces regrindings : Biflex rubbers maintain its properties for years
3. Valid for any type of fabric: thin, thick, compressible, non compressible
4. No damage of the fabric thanks to using two soft coverings
5. Suitable for pigment dyeing