
















BöttcherTop 4500

Sheet-fed blanket (carton and paper)

The ideal solution for good printing quality in combination with long service life

| | |
|--------------------|--|
| → Presses | Sheet-fed |
| → Packing height | In most cases, 0.05 mm more than OEM recommendations |
| → Substrates | Paper and carton |
| → Inks | Conventional and vegetable oil-based |
| → Wash-up solvents | Conventional, low VOC, VOC-free |
| → Fount solutions | IPA |

Application

| | |
|---|---|
| → Rubber solution soaked fabrics | <ul style="list-style-type: none">  Reduced gauge loss, no need for re-packing  Reduced piling on blanket surface |
| → Micro-ground and polished printing surface, controlled roughness 0.9 – 1.2 µm | <ul style="list-style-type: none">  Sharp, well defined dots  Full dots, dense and well-spread solids  Handles with equal ease a wide range of substrates (paper and carton, coated and uncoated)  Excellent release of printed substrates (Quick Release)  Reduced ink and paper dust piling |
| → Harder surface rubber | <ul style="list-style-type: none">  High resistance to edge cut and frequent format changes  Excellent resistance to abrasion (substrates and automatic blanket cleaning devices)  High chemical resistance to inks, cleaning fluids and fount solutions |
| → High compressible due to 3-ply construction and a high content of closed cells | <ul style="list-style-type: none">  Excellent smash resistance  Handles thickness variations in substrates  Compensates for mechanical shortcomings such as cylinder bounce (streaks), press specific vibrations and press wear |
| → High stability carcass manufactured from pre-stretched and multi-calendered fabrics | <ul style="list-style-type: none">  Minimum residual elongation, no need for retensioning  High dimensional stability, also on big format presses |

Features / Benefits

Construction

| | |
|-----------------------|--------------|
| Fabric plies: | 3 |
| Compressible layer: | Closed cells |
| Identification lines: | 2 x blue |

Physical properties

| | |
|--|---------------|
| Overall hardness: | 79° Shore A |
| Tensile strength: | > 3500N/50 mm |
| Elongation at 500N/50 mm: | < 2% |
| Gauge loss at tensioning and running in: | < 2% |

Gauge

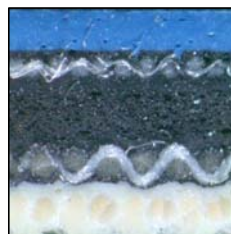
| | |
|---|----------------------|
| Nominal gauge: | 1.96 mm(+/-0.02 mm) |
| Gauge uniformity per Blanket of max. 1 m ² : | +/- 0.015 mm |

Surface

| | |
|-----------------|---------------------|
| Colour: | Blue |
| Finish: | ground and polished |
| Roughness (Ra): | 0.9 – 1.2 µm |
| Micro-hardness: | 65° Shore A |

Physical properties

| | |
|---------------------------------------|------------------|
| Indentation at 100N/cm ² : | 0.15 mm (7.7 %) |
| Indentation at 200N/cm ² : | 0.25 mm (12.8 %) |



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