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| Cover Type: | Carbide | |
| Possible applications: | <ul style="list-style-type: none"> - Sheet roll in dry environment - Guide roll in dry environment | |
| Hardness Range: | 900 Vickers | |
| Recommended Cover Thickness: | Standard 150 µm | max. 1000 µm |
| Temperature resistance: | Dry: | continuous 900°C / peak 900°C |
| Properties and advantages: | <ul style="list-style-type: none"> - more performant alternative to hard chromium in dry environment (better resistance to abrasion and surface damages/scratches due to higher hardness) - no fiber picking on the paper sheet - Intermediate grinding(s) possible - High thickness sprayable | |
| Specific characteristics: | Bonding strength: | > 75 MPa |
| | Surface roughness (Ra): | min. 0.05 µm - max. 2.5 µm |
| Doctoring: | - oscillating composite doctor blade (glass fiber or carbon fiber), angle 20-25 deg, load 150 N/m | |
| Chemical resistance: | Acid solutions: | Moderate |
| | Alkaline solutions: | Moderate |
| | Hot water and steam: | Moderate |
| | Ozone: | Moderate |
| | Oil and grease: | Excellent |
| | Chlorinated solvents: | Good |
| | Polar solvents (MEC, ether, acetate,...): | Excellent |
| Recommended cleaning products: | - Good resistance to standard chemicals normally used in paper machines | |
| Remark: | - Reference list available on demand | |