



PolySlick™



PolySlick™ polyurethane roll covers are custom engineered applications where “stickies” traditionally build up on a roll cover and pick the sheet. Uniform Teflon® content throughout the cover, allows the papermaker to regrind the cover when necessary to achieve a specific surface finish.

PolySlick™ is designed for extreme conditions. Whether it is “stickie” problems, severe abrasion, doctoring or temperature, PolySlick™ can handle it. PolySlick™ is revolutionary in that it can handle the higher temperatures found around the size press and inside the dryer hood. Finally, a roll cover that is designed for the release properties you require, yet also offers the papermaker unsurpassed abrasion resistance, hydrophobicity, thermal stability, toughness and doctorability.

APPLICATIONS: Dryer felt rolls, breast rolls, wire rolls, felt rolls, guide rolls, chemi-washer rolls, paper rolls, forming rolls, lead in / out rolls and other non-nipped rolls

COVER ATTRIBUTES

- Hydrophobicity
- Durability
- Doctorability
- Release
- Stress Relieved
- Thermal Stability
- Chemical Resistance

ADVANTAGES & BENEFITS

- Does not absorb ANY water. Never needs to be removed to dry out
- Has more than **5X** the abrasion resistance of bone hard rubber
- Can be doctored with composite, steel, or UHMW blades
- Teflon® micro particles provide a non-wetting surface that resists “stickies”
- No “edge lifting”
- Maintains hardness profile and resists temperature degradation.
- Compatible with all white water chemicals used with any grade of paper.

PERFORMANCE DATA



Trade Name	PolySlick™
Color	Black
Cover Hardness	1 P&J
Cover Thickness	1/4" – 1" (6 – 25mm)
Operating Temperature	300°F (150°C)
Chemical Resistance	
Mild Acids	Excellent
Mild Alkalis	Excellent
Hot Caustics	Good
Hot Water	Excellent
Physical Properties	
Tensile Strength	Excellent
Bond Strength	Superior
Impact Resistance	Fair
Coefficient of Friction	Good
Release	Excellent
Water Absorption	Superior

PolySlick™ is a proprietary polyurethane compound formulated by IPS, Inc. and only available via IPS, Inc.'s global network of licensees. IPS, Inc.'s polyurethane products are custom blended to the highest standards in the industry and every batch is quality checked against stringent quality control measures.

Please contact IPS, Inc. or CanMec Pulp and Paper Equipment for complete roll cover technical data and chemical resistance charts.



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