

# FeltMax™

## Designed for the most extreme conditions

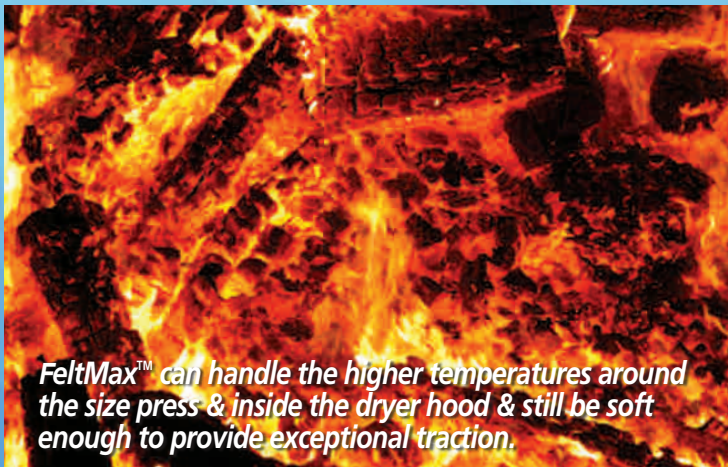
Whether it is severe abrasion, doctoring or temperature, FeltMax™ can handle it. FeltMax™ is revolutionary in that it can handle the higher temperatures found around the size press and inside the dryer hood and still be soft enough (15 P&J) at application temperature to dramatically reduce slippage with the felt. Finally, a roll cover that is designed for the traction you need, yet also offers the papermaker unsurpassed traction, abrasion resistance, hydrophobicity, thermal stability 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 • ADVANTAGES & BENEFITS

- |                            |   |
|----------------------------|---|
| <b>TRACTION</b>            | • Dramatic reduction in felt slippage equals longer clothing life.      |
| <b>HYDROPHOBICITY</b>      | • Does not absorb ANY water. NEVER needs to be "dried out".             |
| <b>DURABILITY</b>          | • <b>5X</b> more abrasion resistant than bone hard rubber (0-1 P&J).    |
| <b>DOCTORABILITY</b>       | • Can be doctored with composite, steel, or UHMW blades.                |
| <b>RELEASE</b>             | • Surface morphology provides for exceptional sheet release.            |
| <b>STRESS RELIEVED</b>     | • No "edge lifting" or cracking.  |
| <b>THERMAL STABILITY</b>   | • Maintains hardness profile and resists thermal degradation.           |
| <b>CHEMICAL RESISTANCE</b> | • Compatible with virtually all chemicals used with any grade of paper. |
| <b>BOND STRENGTH</b>       | • FeltMax™ cover's bond strength exceeds its tensile strength.          |



*FeltMax™ can handle the higher temperatures around the size press & inside the dryer hood & still be soft enough to provide exceptional traction.*

### PERFORMANCE DATA

<b>Trade Name</b> .....	FeltMax™
<b>Color</b> .....	Dark Blue
<b>Cover Hardness</b> .....	1 P&J
<b>Cover Thickness</b> .....	1/4" – 1" (6 – 25mm)
<b>Max. Operating Temperature</b> ..	275°F (135°C)
<b>Chemical Resistance</b>	
<b>Mild Acids</b> .....	Excellent
<b>Mild Alkalis</b> .....	Excellent
<b>Hot Caustics</b> .....	Good
<b>Hot Water</b> .....	Excellent
<b>Physical Properties</b>	
<b>Tensile Strength</b> .....	Superior
<b>Bond Strength</b> .....	Superior
<b>Impact Resistance</b> .....	Fair
<b>Coefficient of Friction</b> .....	Fair (Excellent at 275°F)
<b>Release</b> .....	Excellent
<b>Water Absorption</b> .....	Superior

**DuraTrax™ Polyurethane Roll Covers** are custom engineered for the toughest applications in a paper machine. DuraTrax™ covers are made using proprietary equipment and materials that defy conventional roll covering guidelines and expectations. DuraTrax™ covers give the customer all the benefits that modern chemistry and engineering have to offer.

*FeltMax™ is a proprietary polyurethane compound formulated by IPS, Inc. FeltMax™ is only available through IPS, Inc.'s global network of licensees.*

Contact OIR for a comprehensive Technical Data sheet on WireMax™ roll covers or any of the DuraTrax™ family of roll covers.



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