

# FeltMax™

DURA<sup>Trax</sup>™ Family of Polyurethane Roll Covers



Go Further with Triosim

## 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

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

**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 Triosim Corporation for a comprehensive Technical Data sheet on FeltMax™ roll covers or any of the DuraTrax™ family of roll covers.



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

### PERFORMANCE DATA

Trade Name.....	FeltMax™
Color.....	Dark Blue
Cover Hardness.....	1 P&J
Cover Thickness.....	1/4" – 1" (6 – 25mm)
Max. Operating Temperature..	275°F (135°C)
<b>Chemical Resistance</b>	
Mild Acids.....	Excellent
Mild Alkalis.....	Excellent
Hot Caustics.....	Good
Hot Water.....	Excellent
<b>Physical Properties</b>	
Tensile Strength.....	Superior
Bond Strength.....	Superior
Impact Resistance.....	Fair
Coefficient of Friction.....	Fair (Excellent at 300°F)
Release.....	Excellent
Water Absorption.....	Superior



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