



VALLEY ROLLER

Urelast™ Series Roll Covering

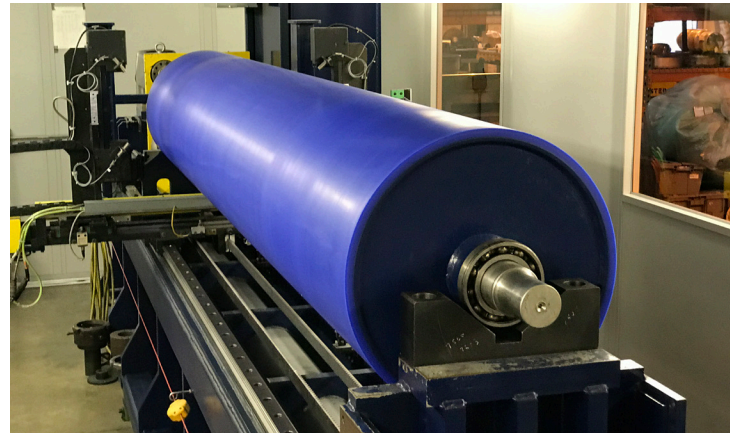


Enhance Roll Life

Urelast™ coverings are specifically designed to improve chemical resistance properties, enhance roll life and improve machine reliability values in the specialty coated paper applications.

Polyurethane roll coverings are used in a variety of roll applications. A polyurethane roll cover exhibits extreme toughness and abrasion resistance over a broad range of hardness. Ester type polyurethane covers also provide exceptional chemical resistance to polar solvents. Urelast™ polyurethane coverings were specifically tailored to meet some of the toughest chemical resistance requirements in the coated paper market.

Urelast™ roll coverings have been engineered to provide uniform swell resistance in a broad range of



coating solutions. Through the use of advanced rubber chemistry, Urelast™ coverings simply stand up better and longer to these forces of wear than any alternative covering in use today. This translates into greater coating consistency, longer roll life, and increased time between roll re-grind operations.

Key Features & General Specifications



- **Excellent abrasion resistance**
- **Longer roll life**
- **Ideal in nip and doctor blade applications**
- **Outstanding surface resiliency**
- **Superior recovery from surface markings**
- **Ensure uniform, consistent coatings**

Superior Chemical Resistance:

*Uniform swell characteristics
Tailored roll covering chemistry
Resists attack from common mill chemicals
Ensures surface integrity*

Urelast

PHYSICAL PROPERTIES	
Property	Urelast
Hardness Shore A	50-75
Abrasion Resistance	Excellent
Tear Strength	Very Good
Load Bearing	Good
Tensile Strength	Very Good
Temperature Resistance	210° F
Compression Set	Good
Resiliency	Excellent
Recommended Covering Thickness	0.50 - 2.00 in

SOLVENT / CHEMICAL RESISTANCE	
Solvent / Chemical	Urelast
Acid	Poor
Caustic	Poor
Aliphatic Hydrocarbon	Excellent
Aromatic Hydrocarbon	Excellent
Chlorinated Hydrocarbon	Poor
Esters	Fair
Alcohol	Very Good
Water	Poor
Glycols	Fair
Ketones	Fair



GLOBAL HEADQUARTERS & AMERICAS

P +1-844-MAXCESS
F +1-405-755-8425
sales@maxcessintl.com

maxcessintl.com

EUROPE & MIDDLE EAST

P +49-6195-7002-0
F +49-6195-7002-933
sales@maxcess.eu

maxcess.eu

ASIA PACIFIC

P +86-756-881-9398
F +86-756-881-9393
info@maxcessintl.com.cn

maxcessintl.com.cn



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