



Valthane® Series

Abrasion Resistant Roll Coverings for Industry

Valley Roller's Valthane® Series of roll coverings has been found to offer superior abrasion resistance when compared to alternative roll coverings. This family of high performance covers has been designed to overcome the mechanical and abrasion deficiencies of traditional nitrile Buna, neoprene, Hypalon and other standard roll covers. Valthane® covers offer performance advantages over a wide range of operating parameters found within a variety of roll applications. Based on innovative rubber chemistry, these unique roll covers offer excellent abrasion resistance, superior mechanical and load bearing properties. In addition, Valthane® Series roll covers provide chemical resistance to oils, grease and other hydrocarbons.

Outstanding Features

- Outstanding Abrasion Resistance
- Resistance to Cutting & Tearing
- Excellent Crown Retention
- Longer Roll Life
- Resistance Hydrocarbons
- Heat Resistance to 275° F

Valthane® Series of coverings were designed specifically to improve mechanical properties and abrasion resistance. The heat aging properties are substantially better than other competitive abrasion resistant coverings for the general industrial roll market.

Based on Carboxylated Nitrile polymer, Valthane® Series roll covers offer outstanding abrasion resistance and compare favorably to liquid cast polyurethane in the hardness range of 45-85 shore A. Good load bearing properties make Valthane® a good choice but only if line speeds are slower. Valthane® Series of roll covers are thermally stable up to 275F where the best polyurethane covers begin to degrade at 225F.

valthane®



Valthane Applications

- Conveyor Rolls
- Slitter Rolls
- Drive Rolls
- Feed Rolls
- Idler Rolls
- Draw Rolls
- Pulley Rolls
- Sander Rolls
- Reel Spools
- Loom Rolls
- Bump Rolls
- Cutter Hold Down Rolls
- Guide Rolls
- Wrapper Rolls

Field Experience indicates Valthane® Series roll coverings offer significant benefits for use in a variety of roll applications.

So Many Choices....

Does the covering see heat? Is the environment wet or dry? Are chemicals involved? Will the roller carry a load? How fast does your line run? Do you need to run faster? Is your substrate smooth or abrasive? These are all important parameters to assess in order to select the right covering for your application. The process of choice can be confusing. However, know that you have help on your side. Your Valley Roller Technical Sales Representative will walk you through the process of choice so your roll is covered with the right roll cover the first time. Your representative will ask the right questions, understand your goals, and work with you from concept to installation and beyond to insure that your roll cover is performing the way it should.

Call us, challenge us! We are here to help!

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Technical Data

PHYSICAL PROPERTIES

Hardness Range	50-99 Shore A
Abrasion Resistance	Excellent
Tear Strength	Excellent
Load Bearing	Excellent
Hysteresis	Poor
Resistance to Denting	Fair
Service Temperature	275° F
Ozone Resistance	Poor
Resiliency	Fair
Recommended Covering Thickness	.25- 2.00"

Solvent / Chemical Resistance

Acids	Fair
Caustics	Average
Aliphatic Hydrocarbons	Excellent
Aromatic Hydrocarbons	Average
Chlorinated Hydrocarbons	Poor
Water	Average
Ketones	Poor
Alcohol	Above Average
Esters	Poor
Glycols	Average

Look to Valley Roller for performance proven rubber-covered rolls of all kinds.

We've been designing, manufacturing and repairing rubber-covered rolls for a wide range of applications since 1984. Through our integrated approach to customer service and manufacturing, we provide the highest level of service, accuracy and quality control for every order. We'll meet or exceed your expectations every time.

