Reliable pulley lagging is an essential part of trouble-free conveyor operation.

When worn out lagging is slowing down your production, contact Mid-West Innovators – your optimal source for pulley RELAG.

Before

Consider adding lagging to a functional non-coated core or replacing deteriorated lagging on a pulley in an existing belt conveyor system.

After

WE’LL GET YOU BACK IN SERVICE QUICKLY!

Consider adding lagging to a functional non-coated core or replacing deteriorated lagging on a pulley in an existing belt conveyor system.

Why RELAG?

- Cut cost by 30%-50% compared to purchasing new
- Minimize downtime – get your pulley back in service in 3-5 days
- Extend life of key conveyor components
- Fast turnaround
- Reduce wear from abrasive materials
- Prevent belt slippage and improve tracking

Save time and money with Mid-West Innovators RELAG service.
Customizing your RELAG with Mid-West Innovators is as easy as 1 - 2

1. **CHOOSE A COMPOUND**

Start by selecting lagging compound. Based on the application requirements and time frame allowed, choose from versatile quick-ship options or a full range of available compounds and materials.

### QUICK-SHIP RELAG

This is an economical solution with an unmatched lead time of 3 - 5 days, suitable for the majority of common belt conveyor applications. QUICK-SHIP is an outstanding choice when fast turnaround is critical.

**Select lagging type from 5 quick-ship options:**
- SBR Rubber - 60A black
- Neoprene Rubber - 60A black
- Carboxylated Nitrile Rubber - 70A black
- Spiral Wrapped Rough Top (SWRT) - 60A black
- Food Grade Rubber - 60A white

### SUPREME RELAG

This package features an extensive selection of lagging options with 5 - 15 day turnaround. These compounds are created for top performance in demanding applications: high-temperature, corrosive and abrasive environments among many others.

**Select lagging type:**
- Vulcanized Rubber
- Millable Urethane
- Cold Vulcanized Rubber
- Ceramic Tile Lagging
- Cast Urethane
- Spiral Wrapped Belting

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**Featured Compounds**

These compounds have proven themselves in most rugged belt conveyor applications. We gladly offer the following lagging options as part of our Conveyor Pulley Relag program:

- **DURA-Lac**
  - Very tough, durable, abrasion-resistant rubber designed to prevent rubber reversion. An excellent choice for upgrading pulley lagging from cold-bonded and rough-top belting products.

- **MSHA Accepted Rubber**
  - Compound with good mechanical properties, chemical resistance and high resilience. It meets all Mine Safety And Health Administration’s requirements for flame resistant solid products taken into mines.

- **AquaFlex™**
  - A custom formulated rubber compound offering excellent durability, resiliency, and heat resistance up to 275° F with designed resistance to wash-down environments making it ideal for outdoor conveyor applications.

- **Millable Urethane**
  - A synthetic rubber compound that offers the benefits of rubber and the durability of urethane. It has extremely good wear resistance and excellent solvent resistance.

- **Gum Rubber**
  - Extremely durable low durometer natural rubber. Great grip, rebound properties, and food grade formulation make this an excellent choice for various indoor applications.
RELAG with Mid-West Innovators

- 3

**OPTIONAL FEATURES AND SERVICES**

After lagging compound is chosen, select the optional features to maximize the benefits of pulley RELAG.

**2 PROFILE TYPE**

- **FLAT FACE**
  - Offers even wear, prolongs belt life
  - Creates more surface area for belt contact

- **TRAPEZOIDAL CROWN**
  - Tracks belt without excess stretching
  - Provides even wear surface

- **SINGLE CROWN**
  - Steeper crown allows easier belt tracking

V-Grooves are designed to guide V-belts and are available with any profile type or groove pattern.

<table>
<thead>
<tr>
<th>V-GROOVE</th>
<th>Belt V-section Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top width &quot;X&quot;</td>
<td>O (3L)</td>
</tr>
<tr>
<td>.625&quot;</td>
<td>.750&quot;</td>
</tr>
<tr>
<td>Bottom width &quot;Y&quot;</td>
<td>.422&quot;</td>
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<tr>
<td>Depth &quot;Z&quot;</td>
<td>.313&quot;</td>
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</tbody>
</table>

**3 GROOVE PATTERN**

- **Diamond**
  - Grooves help improve traction and eliminate belt slippage
  - Prevent build-up of conveyed materials, ice/snow and or other elements

- **Herringbone**

- **Chevron**
  - Shed away water and debris - providing self-cleaning effect

- **Circumferential**

- **Straight**

**ADDITIONAL SERVICES**

If core integrity has been compromised by length of service or harsh operating conditions, ask about:

- **Repair and Refurbish Service:**
  - Surface machining
  - Crack and weld repair
  - Plug-weld defects
  - Shaft and bushing replacement

Each pulley is inspected and evaluated. Repairs are estimated and submitted to the customer for approval prior to manufacturing.

**Corrosion Protection for End Plates**

After end disk cleanup and oxidation removal, primer, paint or powder coating can be applied for added abrasion and corrosion resistance.

- Standard Grey Primer
- TGIC Polyester Powder Coat
- Epoxy
- Food Grade Epoxy
- High-Temp Powder

**Coating Identification**

If you want to replace existing lagging, but you’re unsure of what it is, Mid-West Innovators will inspect and identify the compound and durometer to provide similar or identical replacement. Please provide information about application and operating environment to ensure selection of best suitable lagging.

**Lagging Capabilities:** Up to 48" diameter, Up to 144" length
This guide is created to assist you with compound selection, to ensure the best suitable lagging choice for the application.

<table>
<thead>
<tr>
<th>Compounds</th>
<th>Durometer</th>
<th>Color</th>
<th>Food Grade*</th>
<th>MAX Service Temp</th>
<th>COF (have grip)</th>
<th>Abrasion Resistance</th>
<th>Wash Down**</th>
<th>Fat, Oil, Grease Resistance</th>
<th>Outdoors</th>
<th>Life Cycle Benefits</th>
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<tr>
<td>SBR</td>
<td>60A</td>
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<tr>
<td>Neoprene</td>
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<td>Natural Gum Rubber</td>
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<td>Custom Blends</td>
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* Food Grade formulation available upon request. ** For specific chemical resistance rating please inquire.

This chart is for reference purposes for the basic properties listed on the top associated with generically named compounds (on the left). The ratings are based on published polymer supplier information, published literature and other credible sources in the rubber and plastic industry. Furthermore, the list of compounds is not exclusive to this chart and special blends can be compounded to suit unique, specific applications.