Elastomer Damping Solutions
For Railway Systems

Minnesota Rubber & Plastics
Quadion LLC
Leader in Advanced Material Technologies
Our Materials, Processes And Design Options Help Make The World Go ‘Round

Minnesota Rubber and Plastics - Europe is a global supplier of elastomer components for railway and railway track systems. For over 65 years we have supplied the rail industry with critical elastomer and thermoplastic components for both static and dynamic applications.

We know the demands of the transportation industries require a deep knowledge and understanding of a wide use of end market applications. It also requires component design and materials knowledge for products that function without failure in demanding applications.

Today increased regulations and standards, along with more demanding operating environments, challenge materials and designs with aggressive fluids, fuels and longer warranty periods. At Minnesota Rubber and Plastics – Europe, our rail track and rolling stock products provide excellent vibration, sealing and insulation qualities for rail systems throughout Europe, Asia and South America.

Expanding Markets – Decreasing Costs

In our industry we are uniquely positioned to offer both rubber and plastic combination parts. This allows us to provide greater development and production efficiencies, thereby reducing development time and costs.

From prototyping to final production, our state-of-the-art design engineering services provide timely answers to difficult design issues. Our CAD/CAM and FEA systems allow us to offer design alternatives quickly while our tool development and secondary press operations are second to none. Finally, prior to committing to production, our prototyping services provide production quality sample parts for final testing.

Materials R&D

We have an advantage over many rubber and plastics manufacturers because we place a great deal of emphasis on research and development. Our technical support staff provides the resources to design, formulate, develop and test materials and parts.

With elastomers we are known for our bonding and over molding capabilities on metal substrates or on high performance plastics. We use proprietary technologies with both chemical and mechanical bonding to ensure a durable finished part while minimizing production costs.

Design Services

Our state-of-the-art facilities offer comprehensive design services that advance your programs:

- Preliminary engineering assistance
  - Mechanical design review
- Materials engineering
  - Materials R&D
  - Specialty compounds
- Rapid mold design and development
  - Complete prototype services
- Design engineering
  - Metal-to-plastic conversions
- Process engineering
  - Mold flow analysis
  - Functional testing

Commitment To Quality

All Minnesota Rubber and Plastics design, development and production facilities operate under corporate wide quality systems including ISO/TS 16949 and ISO 9000. Our facilities also operate under a corporate wide Environmental Management System registered to the International Standards Organization series ISO 14001. A partial list of our material options include: STMF 602 / SNCF / L52 / SNCB / NFF 0071.

Providing Industry Solutions

At Minnesota Rubber and Plastics - Europe our goal is to provide the rail industry with the problem solving solutions critical for their applications. Since 1945, our commitment and dedication to the transportation industries has provided the needed components and assemblies, while meeting pricing and delivery requirements.

Whatever your elastomer and thermoplastic design challenge we’re here to make your application a reality. By working directly with you and exploring new design and material technologies, you can be certain our recommendations and commitment to your product requirements will meet your expectations.
### Solving Design Problems
### With Materials Expertise

#### Maintenance of Way Track Products
- **Standard Rail Pads**
- **Boots and Microcellular Pads**
- **Custom Rail Pads**

#### Rolling Stock Products
- **Cable Grommets and Dust Guards**
- **Seals**
- **Vibration Isolators**
- **Bellows**