



Quadrant Engineering Plastic Solutions for the Railway Industry

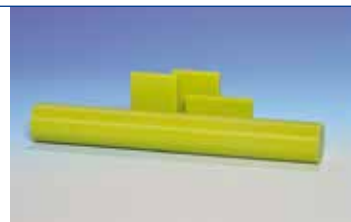
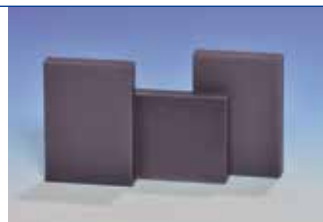
Original Stock Equipment & Maintenance

Whether you are an Original Equipment Manufacturer or carry the responsibility for maintenance, in the railway industry you are daily confronted with a variety of challenges. Your task is to always find the best solution for material and machine – Quadrant's engineering polymers can help you to find this solution.

Quadrant Engineering Plastic Products (EPP) has been supplying thermoplastic shapes and components to the railway industry for more than 30 years. We offer the largest product portfolio to this market and offer high quality polymers produced with state-of-the-art technologies.

Our offer to the railway industry:

- Flame retardant and self-lubricating materials to fulfil environmental and legislative regulations
- Plastic components with outstanding sliding properties to reduce noise
- Light weight materials (compared to steel) to reduce fuel consumption
- Corrosion and impact resistant polymers to protect electronic and other sensitive components
- Temperature resistant materials, even at freezing temperatures
- Materials and components with long lifetime in use to reduce maintenance cycles
- Reliable products with longterm history in numerous railway applications



Recommended Quadrant Engineering Plastics:

Ertalon® PA
Nylatron® PA
Ketron® PEEK

TIVAR® UHMW-PE
Ertalyte® PET

Key characteristics:

- Flame retardancy
- High impact strength and stiffness
- Temperature and corrosion resistance
- Excellent wear and sliding properties
- Self-lubricity
- Light weight

Rail components independent of number or size

Wear Elements



Center Bowl Liners

Energy Absorbers



Elastomer Springs as Coacher Buffer

Bearing & Brake Bushings



Bushing in Train Brake

Protectors & Deflectors



Air Suspension Chamber Protector



Bushing for Anti-roll Bar



RPM Sensor Protector

Linings for Bulk Handling



Liner in Bulk Material Waggon

Electrical Applications



HV Electrical Insulator

Quadrant Engineering Plastic Products

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