



## Technical Data Sheet

### Europrene®

E-SBR

**1509**

Styrene – Butadiene Copolymer

Europrene® 1509 is an emulsion styrene-butadiene rubber obtained by cold polymerization using a mixture of rosin acid and fatty acid soaps as emulsifiers. A non-staining antioxidant is added during the production process.

| Main Properties                 | Test Method | Unit | Typical Value |
|---------------------------------|-------------|------|---------------|
| Mooney Viscosity ML 1+4(100 °C) | ASTM D 1646 | MU   | 35            |
| Bound Styrene                   | ASTM D 5775 | % wt | 23.5          |
| Organic Acid                    | ASTM D 5774 | % wt | 6             |
| Soap                            | ASTM D 5774 | % wt | 0.3 max       |
| Volatile matter                 | ASTM D 5668 | % wt | 0.75 max      |
| Ash                             | ASTM D 5667 | % wt | 0.5 max       |

The product is free from any nitrosating agent and is essentially free from pre-formed nitrosamines and nitrosable substances.

### Key Features

Europrene® 1509 is an elastomer characterized by good processability, mechanical properties and abrasion resistance. It exhibits an enhanced processability and easier incorporation of high filler loading. The low viscosity makes this particularly suitable for injection moulding applications.

### Main Applications

Footwear, microcellular soles, carpet underlay, injection moulded, extruded and calendered goods.

### Physical Form

Amber bales wrapped in easily dispersible polyethylene film.

### Packaging

Wooden crate, nominal net weight 1050 kg; 35 kg bale, 30 bales per crate (1530 x 1145 x H1090 mm).  
Returnable metal crate, nominal net weight 1260 kg; 35 kg bale, 36 bales per crate (1465 x 1150 x H1123 mm).

### Storage Conditions

Store in a vented, dry area at temperatures between 20°C and 30°C; with no direct sunlight.  
Shelf life: 18 months minimum.

