



versalis

## Technical Data Sheet

### EUROPRENE®

E-SBR

**1789**

Styrene - Butadiene Copolymer

Europrene® 1789 is an emulsion styrene-butadiene rubber obtained by cold polymerisation using a mixture of rosin acid and fatty acid soaps as emulsifiers.

It is made at the Ravenna production facility in Italy.

It is a medium bound styrene copolymer extended with **RAE oil**.

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   | 54            |
| Bound Styrene                   | ASTM D 5775 | % wt | 40            |
| Oil content                     | ASTM D 5774 | phr  | 37.5          |
| Organic Acid                    | ASTM D 5774 | % wt | 5             |
| Soap                            | ASTM D 5774 | % wt | 0.4 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 essentially free from pre-formed nitrosamines and nitrosable substances.

### Key Features

E-SBR is a general purpose rubber characterised by good processability, mechanical properties and abrasion resistance. It has a limited resistance to oil and weather but properly compounded, it is suitable for use in outdoor applications. Europrene® 1789 is the RAE oil extended alternative to Europrene® 1721.

### Main Applications

Tyre tread.

### Physical Form

Brown 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.

