



## Technical Data Sheet

### Europrene® E-SBR

### 1723 BCA Styrene – Butadiene Copolymer Bio-Circular Attributed



Europrene® 1723 BCA is an emulsion styrene-butadiene rubber obtained by cold polymerization using a mixture of rosin acid and fatty acid soaps as emulsifiers. It is extended with TDAE oil and a non-staining antioxidant is added during the production process.

#### Sustainability

Bio raw materials can be used in production processes together with traditional raw materials. In order to attribute sustainability characteristics to the final product, Versalis applies the **Mass Balance** approach, an acknowledged methodology that ensures that the sustainability characteristics of the alternative raw material, mixed with traditional naphtha, correspond to those of the final product. BCA products are provided with a **sustainability declaration** indicating the amount of Bio-Circular Attributed component. They guarantee identical performance, quality and properties, as they do not differ in chemical composition and physical-mechanical performance from standard products.

| Main Properties                 | Test Method | Unit | Typical Value |
|---------------------------------|-------------|------|---------------|
| Mooney Viscosity ML 1+4(100 °C) | ASTM D 1646 | MU   | 50            |
| Oil Content                     | ASTM D 5774 | phr  | 37.5          |
| Bound Styrene                   | ASTM D 5775 | % wt | 23.5          |
| 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 nitrosing agent and essentially free from pre-formed nitrosamines and nitrosable substances.

#### Key Features

Europrene® 1723 BCA is an elastomer characterized by good processability, mechanical properties and abrasion resistance. Its oil content makes it suitable for extrusion and calendaring processes.

#### Main Applications

Tyre manufacturing and retreading, conveyor belts, hoses and other mechanical goods.

#### 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

Stored in a vented, dry area at temperatures between 20°C and 30°C, with no direct sunlight.

Shelf life: 18 months minimum.

Please consult the relevant safety data sheet for more detailed information.

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