

Europrene®

E-SBR

1789 BCA

Styrene – Butadiene Copolymer Bio-Circular Attributed



Europrene® 1789 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 RAE 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 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 | 55 |
| Oil Content | ASTM D 5774 | phr | 37.5 |
| Bound Styrene | ASTM D 5775 | % wt | 40 |
| 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® 1789 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

High hysteresis tyre tread compounds with improved wet road grip.

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.

Life: 18 months minimum.

