



## Technical Data Sheet

### Europrene® SBS

### SOL T 161 B BCA

Styrene/Butadiene Block Copolymer Bio-Circular Attributed



Europrene® SOL T 161B BCA is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene. A non-staining antioxidant system is added during the production process.

#### Sustainability

Bio-Circular 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 |
|-----------------------|-----------------|----------|---------------|
| Bound Styrene Content | Internal Method | % wt     | 30            |
| Specific gravity      | ASTM D 792      | g/cc     | 0,94          |
| Melt Flow Index*      | ASTM D 1238     | g/10 min | <1            |
| Volatile Matter       | ASTM D 5668     | %        | 1 max         |
| Hardness**            | ASTM D 2240     | Sh A     | 82            |

\*190°C, 5 kg

\*\* Measured on ASTM D 4703 compression molded specimens

#### Key Features

Europrene® SOL T 161B BCA is a block copolymer with radial molecular structure, providing excellent mechanical properties, high strength and elasticity in a wide range of formulated products.

#### Main Applications

Used in bitumen modification in waterproofing membranes and road paving applications. The polymer could be also used as a high strength base in formulated compounds for footwear and technical applications.

#### Physical Form

Europrene® SOL T 161B BCA is produced in Ravenna Plant (Italy) in granules form (G) and powder form (P).

#### Packaging

Available in standard packaging. For detailed information, please refer to your Versalis representative.

#### Storage Conditions

Store the preparation in a covered place in sealed packaging, away from sunlight and heat sources. Ensure the proper ventilation in all storage areas.

Shelf life: Granule form (G): 18 months, Powder form (P): 8 months

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

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