



## Technical Data Sheet

### Europrene® SBS

### SOL T 172 C BA Styrene/Butadiene Block Copolymer Bio Attributed



Europrene® SOL T 172 C BA is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene. The polymer is extended with a clear paraffinic oil (45 phr). A non-staining, TNPP free antioxidant system 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. BA 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 |
|-----------------------|-----------------|----------|---------------|
| Bound Styrene Content | Internal Method | % wt     | 31            |
| Melt Flow Index*      | ASTM D 1238     | g/10 min | 9,0           |
| Hardness**            | ASTM D 2240     | Sh A     | 48            |
| Volatile Matter       | ASTM D 5668     | %        | 0,6 max       |
| Specific gravity      | ASTM D 792      | g/cc     | 0,92          |

\*190°C, 5 kg

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

#### Key Features

Europrene® SOL T 172 C BA is a block copolymer with radial molecular structure, where the oil addition allows extremely good flow characteristics and an easy processability. The grade provides excellent mechanical properties and outstanding abrasion resistance, in a wide range of formulated products. The clear paraffinic oil allows to get finished items with excellent color stability.

#### Main Applications

The polymer is used as a high strength base in formulated compounds for footwear and technical applications.

#### Physical Form

Europrene® SOL T 172 C BA is produced in Ravenna Plant (Italy) in pellet form.

#### 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: 18 months

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

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