



## 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
Brookfield Viscosity***	Internal Method	Pa · s	20

\*190°C, 5 kg

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

\*\*\*Xylene sol., 25% wt

#### 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



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

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