



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

