



Technical Data Sheet

Europrene® SBS

SOL T 172 C BCA Styrene/Butadiene Block Copolymer Bio-Circular Attributed



Europrene® SOL T 172 C BCA 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-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	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 BCA 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 BCA 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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