



Technical Data Sheet

Europrene®
SBS

SOL T 6414 BCA
Styrene/Butadiene Block Copolymer Bio-Circular Attributed



Europrene® SOL T 6414 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	40
Diblock Content	Internal Method	% wt	22
Melt Flow Index*	ASTM D 1238	g/10 min	11,0
Volatile Matter	ASTM D 5668	%	1 max
Specific gravity	ASTM D 792	g/cc	0,95
Brookfield Viscosity**	Internal Method	Pa · s	0,4

*190°C, 5 kg

**Xylene sol., 25% wt

Key Features

Europrene® SOL T 6414 BCA is a radial block copolymer, characterized by excellent dispersibility, processability and thermo-oxidative resistance, combined with high strength, elongation and hardness.

Main Applications

Europrene® SOL T 6414 BCA is designed for hot melt adhesive applications: the grade shows high compatibility with tackifiers and imparts low melt viscosities and an excellent balance of adhesive and cohesive properties to the hot melt products. The grade is also used in footwear compounds. Characterized by the excellent processability, SOL T 6414 BCA is widely used in the modification of styrenic polymers and in plastic recycling.

Physical Form

Europrene® SOL T 6414 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

