



Technical Data Sheet

Europrene® Latice SB LATEX

5577 BCA Styrene – Butadiene Copolymer Bio-Circular Attributed



Europrene® Latice 5577 BCA is an aqueous anionic dispersion of a styrene-butadiene copolymer with high solid content obtained by emulsion polymerization using fatty acid soap as emulsifier. It does not contain any antioxidant.

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. 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
Total solid content	ASTM D 1417	% wt	66
Brookfield Viscosity 20 rpm, 25°C	ASTM D 1417	mPa.s	800
Bound Styrene	ASTM D 5775	% wt	30
pH	ASTM D 1417		10.5

Key Features

Europrene® Latice 5577 BCA, after vulcanization, shows good mechanical properties as high resilience, good tensile strength and elongation at break. It can be blended and vulcanized in a similar manner to natural rubber latex. Foam made of Europrene® Latice 5577 BCA shows a medium indentation hardness and a good resilience.

Main Applications

Europrene® Latice 5577 BCA is used for medium stiffness moulded foams (pillows, mattresses, topper) related to Dunlop, Talalay, gel/no gel processes. It can be used in gel and no-gel carpet foams.

Physical Form

At standard condition (T=25 °C P=1 bar) is liquid, color white or milky white.

Packaging

Europrene® Latice 5577 BCA is delivered in bulk using tank trucks, flexitank and IBC (1000 l.)

Storage Conditions

Store in closed vented tanks or in a covered place in sealed packaging, away from sunlight and heat sources, at temperature between +5 and +40 C°. If pH drops below 10, it can be adjusted through the addition of KOH solution. The shelf life is 6 months from delivery date. Nevertheless, the dispersion contains particles with a density less than water and consequently may form a cream layer when it has been standing for a time. Creaming is a reversible process. Therefore, the dispersion should be stirred before use.

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

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