Technical Data Sheet

Europrene® Latice

SB LATEX

5570 BA

Styrene – Butadiene Copolymer Bio Attributed

Europrene® Latice 5570 BA 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. BA products are provided with a **sustainability declaration** indicating the amount of Bio 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	68
Brookfield Viscosity 20 rpm, 25°C	ASTM D 1417	mPa.s	800
Bound Styrene	ASTM D 5775	% wt	26
pH	ASTM D 1417		10.5

Key Features

Europrene® Latice 5570 BA, after vulcanization, shows good mechanical properties as 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 5570 BA shows a very soft indentation hardness and a very high resilience.

Main Applications

Europrene® Latice 5570 BA is used for soft foam application (pillows, mattresses, topper, insoles) related to Dunlop, Talalay, gel/no gel processes. It can be used for carpet foams and bitumen modification.

Physical Form

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

Packaging

Europrene® Latice 5570 BA 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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