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Technical Data Sheet

Europrene® Latice 5570

SB LATEX

Styrene – Butadiene Copolymer

Europrene® Latice 5570 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.

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	26
pH	ASTM D 1417		10.5

Key Features

Europrene® Latice 5570, 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 shows a very soft indentation hardness and a very high resilience.

Main Applications

Europrene® Latice 5570 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 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°C and +40°. 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.

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