



Technical Data Sheet

Europrene® Lattice

SB LATEX

5577

Styrene – Butadiene Copolymer

Europrene® Lattice 5577 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	30
pH	ASTM D 1417		10.5

Key Features

Europrene® Lattice 5577, 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® Lattice 5577 shows a medium indentation hardness and a good resilience.

Main Applications

Europrene® Lattice 5577 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® Lattice 5577 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°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.

