

LITEX LB 420 is a styrene/butadiene copolymer latex for use as a binder in the anode of lithium-ion batteries. It offers excellent mechanical and electrochemical performance.

For further information regarding this product please refer to:

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Property	Typical Value	Unit	Method ¹
Total Solids Content (TSC)	46	%	ISO 3251
pH-value	7.0		ISO 976
Viscosity	<200	mPa.s	ISO 1652

¹ internal method based upon the specified norm

Application Advice

LITEX LB 420 is a water based carboxylated styrene/butadiene copolymer latex used in the manufacturer of the anode electrode of lithium-ion batteries. It is easy to manufacture anode slurries with LITEX LB 420, with the latex resisting gel formation during processing. LITEX LB 420 has strong binding properties producing cells with excellent cycle life and electrochemical performance it can be used with both graphite and silicon active materials.

Please contact the Synthomer team for further advice on the formulation and use of LITEX LB 420.

Key Features

- High Peel Strength
- Low DCIR
- Low Rebound

End Use Application

- High End EV
- Graphite Battery Anode
- Low Silicon Content Anode

Shipping and Storage

The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +35 °C are recommended. The product contains in-can preservation to protect it against microbiological attack during transportation. For protection against microbiological contamination during storage appropriate plant hygiene is essential. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 12 months from packaging.

Store at a temperature of between +5°C and +35°C avoiding frost and direct sunlight. Stir product before use. If stored according to these conditions and in the original unopened containers, the product will be stable for 12 months from packaging. Product should be used as soon as possible after opening. Detailed information is available on request.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.