

Electro-Rite® BD020

Synthetic Dispersant & Binder

Electro-Rite® BD020 polymer is a synthetic binder and dispersant for use in lithium-ion battery construction. It is compatible with and effectively disperses carbon and silicon/carbon in anode matrixes, as well as ceramics in separator coatings, yielding a strong binder with excellent adhesion, limited flexibility and low electrolyte swellability. Electro-Rite® BD020 polymer also has utility as a primer coating for use on anode and cathode electrodes.

FEATURES AND BENEFITS

- Adhesion
- Compatible with electrolyte solutions
- Dispersant Efficiency
- Electrochemical Properties
- Formulation Compatible
- Low swell in electrolyte
- Stability
- Water Based

CHARACTERISTICS

Characteristic Name	Value
Active Content (% wt.)	25
Appearance	Amber Liquid
Charge	Anionic
Freeze/Thaw Stability	Keep from freezing
Tg (°C)	96
Viscosity (cps @ 25°C)	800
pH Value (10% in Water)	2.5

APPLICATIONS

- Batteries & Displays

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 365 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

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