

LITX™ 50 Conductive Additive



Performance Conductive Additive for Lithium-Ion Batteries

LITX 50 high performance conductive additive for Li-ion batteries balances the need for conductivity and easy processing. LITX 50 conductive additive is primarily used in positive electrodes in loadings ranging from 1-10%, but it can also be used on negative electrodes. Due to its unique morphology, LITX 50 conductive additive requires less solvent during the preparation of electrode pastes which not only enables processing advantages, but often also leads to improved electrode adhesion. These attributes make it a good choice for various Li-ion battery applications that require balance between performance, quality and cost.

Incorporating LITX 50 conductive additive into electrode paste can:

- ◆ Enable higher solids loadings
- ◆ Reduce amount of solvent and conductive additive required
- ◆ Provide higher packing density
- ◆ Improve performance at low temperatures

Battery Applications:

- ◆ Hybrid electric vehicles
- ◆ Tablets
- ◆ Smartphones
- ◆ Power tools

Typical Properties

| PROPERTY | VALUES | TEST METHOD |
|---------------------------|-------------------------|-------------------|
| BET Nitrogen surface area | 45-60 m ² /g | ASTM D6556 |
| Oil Adsorption Number | 125-145 ml/100 g | ASTM D2414 |
| Iron | <10 ppm | Cabot Test Method |
| Total Co, Cr, Cu, Mn, Ni | <5 ppm | Cabot Test Method |

The data in the table above are typical test values intended as guidance only, and are not product specifications. Product specifications are available upon request from your Cabot representative.

Standard Packaging:

- ◆ 5 kg bags

General Characteristics:

- ◆ Formula: Carbon
- ◆ Aspect: Fine powder
- ◆ CAS number: 1333-86-4

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