

## TIMCAL C-ENERGY™ SUPER C65 Carbon Black Additive

Category : Carbon , Carbon Black , Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

**Product Characteristics:** The total Fe content for our conductive carbon blacks is less than 5 ppm The total Fe content for our graphite is less than 20 ppm C-ENERGY grades have very low total metallic impurity content The BET surface area for our conductive carbon blacks is lower than competition Our graphite has well-defined particle size distribution (PSD) Well-suited for lithium-ion battery processing environment Our conductive carbon blacks have high structure, which can be seen from the high oil absorption number (OAN) Our graphite has high crystallinity Low dosage is sufficient to achieve the percolation threshold Compressibility can be increased with the addition of fine graphite particles having high crystallinity and low spring back

**Application Benefits:** Increased battery safety Lower rejection ratio Fully compatible with most electrolyte systems No additional pre-dispersing unit is needed No dispersing aid is needed Very high loading is possible Cost savings on NMP and faster drying time when C-ENERGY SUPER C45 is applied High energy density Improved power density Cost reduction thanks to lower dosage needed High energy density Improved power density Improved "flexibility" of the electrode

Information provided by TIMCAL

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_TIMCAL-C-ENERGY-SUPER-C65-Carbon-Black-Additive.php](http://www.lookpolymers.com/polymer_TIMCAL-C-ENERGY-SUPER-C65-Carbon-Black-Additive.php)

| Physical Properties   | Metric               | English              | Comments |
|-----------------------|----------------------|----------------------|----------|
| Specific Surface Area | 62 m <sup>2</sup> /g | 62 m <sup>2</sup> /g | BET      |
| Ash                   | 0.010 %              | 0.010 %              |          |

| Component Elements Properties | Metric   | English  | Comments |
|-------------------------------|----------|----------|----------|
| Iron, Fe                      | 0.0020 % | 0.0020 % |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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