

## Sinotek Materials ZSG-23 Spherical Graphite

Category : Carbon , Graphite

### Material Notes:

Also called "Potato Graphite", Spherical Graphite is ideal cathode material for lithium ion batteries. Using high quality natural flake graphite as raw material, a series of shaping, classification, and purification technologies to produce high quality Spherical Graphite. The products are well crystallized, have high-roundness and are of stable quality; its first discharge capability is up to 360mAh/g, and the recharge and discharge efficiency is up to 80 percent. Information provided by Sinotek

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sinotek-Materials-ZSG-23-Spherical-Graphite.php](http://www.lookpolymers.com/polymer_Sinotek-Materials-ZSG-23-Spherical-Graphite.php)

| Physical Properties   | Metric                                | English                                    | Comments                         |
|-----------------------|---------------------------------------|--|----------------------------------|
| Bulk Density          | $\geq 1.00$ g/cc                      | $\geq 0.0361$ lb/in $\hat{A}$ <sup>3</sup> | Tap Density                      |
| Density               | 2.25 g/cc                             | 0.0813 lb/in $\hat{A}$ <sup>3</sup>        | $\hat{A}\pm 0.01$ , True Density |
| Particle Size         | 22 - 24 $\hat{A}\mu$ m                | 22 - 24 $\hat{A}\mu$ m                     | D50                              |
| Specific Surface Area | 3.5 - 7.5 m $\hat{A}$ <sup>2</sup> /g | 3.5 - 7.5 m $\hat{A}$ <sup>2</sup> /g      |                                  |

| Component Elements Properties | Metric         | English        | Comments |
|-------------------------------|----------------|----------------|----------|
| Carbon, C                     | $\geq 99.95$ % | $\geq 99.95$ % |          |

| Processing Properties | Metric         | English        | Comments |
|-----------------------|----------------|----------------|----------|
| Moisture Content      | $\leq 0.050$ % | $\leq 0.050$ % |          |

| Descriptive Properties  | Value | Comments |
|-------------------------|-------|----------|
| Discharge Volume, mAh/g | 360   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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