

## TIMCAL TIMREX® MB15 Primary Synthetic Graphite

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

### Material Notes:

TIMREX Primary Synthetic Graphite is produced in a unique highly controlled graphitization process which assures narrow specifications and unequalled consistent quality due to: monitoring of all production and processing stages, strict final inspection, and clearly defined development processes. TIMREX Primary Synthetic Graphite shows unique properties thanks to the combination of a consistent purity, perfect crystalline structure and well defined texture. Information provided by TIMCAL

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_TIMCAL-TIMREX-MB15-Primary-Synthetic-Graphite.php](http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-MB15-Primary-Synthetic-Graphite.php)

| Physical Properties   | Metric                | English                    | Comments |
|-----------------------|-----------------------|----------------------------|----------|
| Bulk Density          | 0.0900 g/cc           | 0.00325 lb/in <sup>3</sup> | Scott    |
| Particle Size         | 18 µm                 | 18 µm                      | d90      |
| Specific Surface Area | 9.5 m <sup>2</sup> /g | 9.5 m <sup>2</sup> /g      | BET      |
| Ash                   | 0.060 %               | 0.060 %                    |          |

| Electrical Properties  | Metric     | English    | Comments      |
|------------------------|------------|------------|---------------|
| Electrical Resistivity | 105 ohm-cm | 105 ohm-cm | 8% graphite   |
|                        | 200 ohm-cm | 200 ohm-cm | 6% graphite   |
|                        | 400 ohm-cm | 400 ohm-cm | 4.9% graphite |
|                        | 600 ohm-cm | 600 ohm-cm | 4.2% graphite |

| Descriptive Properties | Value               | Comments                  |
|------------------------|---------------------|---------------------------|
| Aspect                 | Fine black powder   |                           |
| Battery type           | High-drain AA, AAA  |                           |
| Flexural Strength      | 6.5 N               | 4.1% graphite             |
|                        | 7 N                 | 5.1% graphite             |
|                        | 7.5 N               | 6.4% graphite             |
|                        | 8 N                 | 8% graphite               |
| Graphite               | 6-7%                | Recommended concentration |
| Particle Shape         | Anisometric, flakes |                           |

## Contact Songhan Plastic Technology Co.,Ltd.

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