

TIMCAL TIMREX® MK15 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-MK15-Primary-Synthetic-Graphite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0700 g/cc	0.00253 lb/in ³	Scott
Particle Size	15 µm	15 µm	d90
Specific Surface Area	10 m ² /g	10 m ² /g	BET
Ash	0.030 %	0.030 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	90.0 ohm-cm	90.0 ohm-cm	8% graphite
	200 ohm-cm	200 ohm-cm	5.5% graphite
	300 ohm-cm	300 ohm-cm	4.9% graphite
	500 ohm-cm	500 ohm-cm	4.1% graphite

Descriptive Properties	Value	Comments
Aspect	Fine black powder	
Battery type	High-drain AA, AAA	
Flexural Strength	6.5 N	4% graphite
	7 N	5% graphite
Flexural Strength	7.5 N	6% graphite
Flexural Strength	8 N	7.2% graphite
Graphite	5-6%	Recommended concentration
Particle Shape	Strongly anisometric, flakes	

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