

TIMCAL TIMREX® KS6 Primary Synthetic Graphite

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

Material Notes:

TIMREX Primary Synthetic Graphite is produced in a 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. Applications: Special alloys (Al, Mg, Ti) Hard metals (WC, TiC, Mixed Carbides) HSS PIM/MIM Fe-sintered engineering parts Information provided by TIMCAL

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-KS6-Primary-Synthetic-Graphite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0700 g/cc	0.00253 lb/in ³	Scott, Typical
Particle Size	3.4 µm	3.4 µm	d50
	5.8 - 7.1 µm	5.8 - 7.1 µm	d90, Guaranteed
	6.5 µm	6.5 µm	d90
Specific Surface Area	26 m ² /g	26 m ² /g	BET
Ash	0.060 %	0.060 %	Typical
	<= 0.10 %	<= 0.10 %	Guaranteed

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.18	0.18	Friction coefficient of sintered Cu-C - brake pads with 10% TIMREX® KS Graphite as a function of the particle size; Sinterdensity: 55% of the theoret. density
	@Temperature 850 °C, Time 10800 sec	@Temperature 1560 °F, Time 3.00 hour	

Processing Properties	Metric	English	Comments
Moisture Content	0.10 %	0.10 %	Typical
	<= 0.50 %	<= 0.50 %	Guaranteed

Descriptive Properties	Value	Comments
Crystallinity Hight, Lc	60 nm	

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