

TIMCAL TIMREX® T200-2000 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. Advantages and applications: Suitable especially for organic bonded clutch facings (paper, fiber) and organic brake linings (semimetallic, non-metallic, low-metallic). Good lubrication properties Reduction of the friction level and smoothing of the friction coefficient Good thermal conductivity Reduction of hot spots and difference thickness vibration (DTV) by spring back and good thermal conductivity High effectiveness of wear-reduction at relatively low graphite concentrations Good damping behaviour due to internal lubricity and micropores - noise reduction Good wettability with organic binders and high adhesion strength between binder and graphite particle Information provided by TIMCAL

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-T200-2000-Primary-Synthetic-Graphite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.730 g/cc	0.0264 lb/in ³	Tap
Particle Size	70 µm	70 µm	at a density of 2.20 g/cc
	625 µm	625 µm	at a density of 2.10 g/cc
	1500 µm	1500 µm	at a density of 2.02 g/cc
Deformation	1.1 %	1.1 %	elastic
	2.6 %	2.6 %	plastic
	3.7 %	3.7 %	plastic + elastic
Ash	0.080 %	0.080 %	Typical

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.32	0.32	80% graphite content
	0.41	0.41	40% graphite content
	0.44	0.44	20% graphite content
	0.44	0.44	10% graphite content
Abrasion	0.010	0.010	10% graphite content
	0.012	0.012	20% graphite content
	0.015	0.015	80% graphite content

Mechanical Properties	Metric	English	Comments
	0.016	0.016	40% graphite content

Thermal Properties	Metric	English	Comments
Thermal Conductivity	130 W/m-K	902 BTU-in/hr-ft ² -°F	

Processing Properties	Metric	English	Comments
Moisture Content	0.030 %	0.030 %	Typical

Descriptive Properties	Value	Comments
Crystallite Height, Lc	>100 nm	
DBP absorption	21 g/100g	(Dibutylphthalate)

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China