

TIMCAL TIMREX® GB99/6 Natural Graphite

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

Material Notes:

TIMREX Natural Flake Graphite is produced in a wide range of products distinguished by particle size distribution, chemistry and carbon content. Timcal mines the graphite from its own source in Lac-des-Îles, Quebec, Canada. Further processing can be done either in Lac-des-Îles or for high added value products (e.g. TIMREX PG25) in our new processing plant in Terrebonne, Quebec, Canada. All TIMREX "Naturals" are thoroughly controlled in our laboratories to ensure quality, consistency and total customer satisfaction. Tribological and mechanical properties: Very good lubrication properties Advantages and applications: Very low friction coefficient Low wear of the counterpart Very high electrical conductivity Suitable for semimetallic and metallic brushes Information provided by TIMCAL

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-GB996-Natural-Graphite.php

Physical Properties	Metric	English	Comments
Particle Size	5.0 µm	5.0 µm	at a density of 1.91 g/cc, pressure 2.5 t/cc
	5.0 µm	5.0 µm	Springback 9.5%, pressure 0.477 t/cc
	10 µm	10 µm	at a density of 2.00 g/cc, pressure 2.5 t/cc
	40 µm	40 µm	at a density of 2.10 g/cc, pressure 2.5 t/cc
	60 µm	60 µm	at a density of 2.11 g/cc, pressure 2.5 t/cc
	60 µm	60 µm	Springback 5%, pressure 0.477 t/cc
Ash	0.60 %	0.60 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00 ohm-cm	1.00 ohm-cm	particle size 60 um, pressure 2.5 t/cc
	1.45 ohm-cm	1.45 ohm-cm	particle size 18 um, pressure 2.5 t/cc
	1.85 ohm-cm	1.85 ohm-cm	particle size 5 um, pressure 2.5 t/cc

Processing Properties	Metric	English	Comments
Moisture Content	0.10 %	0.10 %	

Descriptive Properties	Value	Comments
Crystallinity Height Lc	>400 nm	

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