TIMCAL TIMREX® SFG75 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.Tribological and mechanical properties:Low toughnessGood lubrication propertiesAdvantages and applications: Very low friction coefficientLow wear of the counterpartExtreme good formation of transfer-filmVery high electrical conductivityExcellent wettability with organic binders Excellent compressibilityHigh transverse rupture strengthsuitable for pitch-bonded, resin-bonded and metallic brushes Information provided by TIMCAL

Order this product through the following link:
http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-SFG75-Primary-Synthetic-Graphite.php

Physical Properties	Metric	English	Comments
Particle Size	5.0 µm	5.0 µm	at a density of 1.90 g/cc, pressure 2.5 t/cc
	5.0 µm	5.0 µm	Springback 8%, pressure 0.477 t/cc
	10 µm	10 µm	at a density of 1.92 g/cc, pressure 2.5 t/cc
	42 µm	42 µm	at a density of 2.03 g/cc, pressure 2.5 t/cc
	75 µm	75 µm	at a density of 2.03 g/cc, pressure 2.5 t/cc
	75 µm	75 µm	Springback 6.5%, pressure 0.477 t/cc
Ash	0.070 %	0.070 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.750 ohm-cm	0.750 ohm-cm	particle 75 um, pressure 2.5 t/cc
	0.800 ohm-cm	0.800 ohm-cm	particle 40 um, pressure 2.5 t/cc
	1.45 ohm-cm	1.45 ohm-cm	particle 15 um, pressure 2.5 t/cc
	1.75 ohm-cm	1.75 ohm-cm	particle 10 um, pressure 2.5 t/cc

Processing Properties	Metric	English	Comments
Moisture Content	0.10 %	0.10 %	

Descriptive Properties	Value	Comments

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Crystallinity, Lc	>200 nm	

Contact Songhan Plastic Technology Co.,Ltd.

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