

TIMCAL TIMREX® 50X100 mesh FR Natural Flake 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. Advantages and applications: Suitable for all organic bonded friction materials, especially for linings in drum brakes as well as in brake pads for trains. Good transfer film formation Good thermal conductivity Excellent lubricating properties Copper/bronze bearings Copper friction parts copper clutch facings

Information provided by TIMCAL

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-50X100-mesh-FR-Natural-Flake-Graphite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.780 g/cc	0.0282 lb/in ³	Tap
Particle Size	>= 180 µm	>= 180 µm	d50, 68%, vibrated sieving
	>= 300 µm	>= 300 µm	d90, 10%, vibrated sieving
Deformation	1.2 %	1.2 %	elastic
	5.2 %	5.2 %	plastic
	6.4 %	6.4 %	plastic + elastic
Ash	<= 7.0 %	<= 7.0 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	190 W/m-K	1320 BTU-in/hr-ft ² -°F	

Descriptive Properties	Value	Comments
Crystallite height Lc	>350 nm	
DBP absorption	11 g/100g	(Dibutylphthalate)

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