

TIMCAL TIMREX® FC800 Coke

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

Material Notes:

TIMREX Petroleum Coke is calcined at appropriate temperature with low ash and sulfur content, well defined texture and consistent particle size distribution. Advantages and applications: Suitable for all kind of sintered and organic bonded friction materials. Low wear of counterpart due to low ash content. Stable friction coefficient, non-fading. High thermal stability. Reduction of noise, especially medium and high frequency sounds. Information provided by TIMCAL

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMCAL-TIMREX-FC800-Coke.php

Physical Properties	Metric	English	Comments
Bulk Density	1.00 g/cc	0.0361 lb/in ³	Tap
Particle Size	800 µm	800 µm	
Deformation	0.10 %	0.10 %	elastic
	0.21 %	0.21 %	plastic
	0.31 %	0.31 %	plastic + elastic
Ash	0.070 %	0.070 %	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.49 @Temperature 850 °C, Time 10800 sec	0.49 @Temperature 1560 °F, Time 3.00 hour	Friction coefficient of sintered Cu-C - brake pads with 10% TIMREX® Coke, Sinter density: 53% of the theoret. density

Thermal Properties	Metric	English	Comments
Thermal Conductivity	12.0 W/m-K	83.3 BTU-in/hr-ft ² -°F	

Processing Properties	Metric	English	Comments
Moisture Content	0.020 %	0.020 %	

Descriptive Properties	Value	Comments
Crystallite height Lc	2.5	
DBP absorption	6 g/100g	(Dibutylphthalate)

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