

TECHNICAL DATA SHEET

June 2018

TIMREX® F10

TIMCAL Graphite

P/M Special-Graphite

General Characteristics

Formula: Carbon
Aspect: Fine black powder
CAS number: 7782-42-5

Standard Packaging

15 kg paper bags, 39 bags on one pallet (585 kg)

Guaranteed Values

Ash	1	% max
Moisture	0.5	% max
Crystallite Height	80	nm min
Interlayer Distance	0.3354-0.3360	nm
D90 (Laser Diffraction)	9.1-13.1	µm

Typical Values

Purity

Ash	0.6	%
Moisture	0.1	%
Al	37	ppm
As	<0.5	ppm
Ca	100	ppm
Co	<1	ppm
Cr	2	ppm
Cu	<1	ppm
Fe	150	ppm
Mo	1	ppm
Ni	4	ppm
Pb	<2	ppm
Sb	<1	ppm
Si	400	ppm
Ti	20	ppm
V	10	ppm
S	25	ppm

Crystallinity

Lc	80	nm
c/2	0.3357	nm

Density

Scott	0.09	g/cm ³
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Particle Size Distribution

Laser Diffraction		
D10	2.3	µm
D50	5.7	µm
D90	11.1	µm