

# TECHNICAL DATA SHEET

February 2016

**TIMREX<sup>®</sup> BNB90**  
TIMCAL Graphite

**Expanded Graphite**

**General Characteristics**

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

**Standard Packaging**

8 kg paper bags, 48 bags on one pallet (384 kg)  
160 kg big bag, 2 big bag on one pallet (320 kg)  
192 kg big bag, 1 big bag on one pallet (192 kg)

**Guaranteed Values**

Ash	0.25	% max
D90 (Laser Diffraction)	100	µm max

**Typical Values**

**Purity**

Ash	0.14	%
Moisture	0.5	%
Al	10	ppm
As	<0.5	ppm
Ca	250	ppm
Co	<1	ppm
Cr	10	ppm
Cu	<1	ppm
Fe	100	ppm
Mo	2	ppm
Ni	8	ppm
Pb	<1	ppm
Sb	<2	ppm
Si	100	ppm
Ti	5	ppm
V	2	ppm
S	1000	ppm

**Crystallinity**

Lc	35	nm
c/2	0.3359	nm

**Density**

Scott	0.03	g/cm <sup>3</sup>
Xylene	2.24	g/cm <sup>3</sup>

**Specific Surface Area**

BET	28.4	m <sup>2</sup> /g
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**Particle Size Distribution**

Laser Diffraction		
D10	10.0	µm
D50	36.1	µm
D90	85.2	µm