

TIMREX[®] HSAG100
TIMCAL Graphite

High Surface Area Graphite

General Characteristics

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

Standard Packaging

15 kg drums, 20 drums on one pallet (300 kg)

Guaranteed Values

Ash	0.4	% max
Crystallite Height	30	nm min
Specific Surface Area	80	m ² /g min

Typical Values

Purity

Ash	0.2	%
Moisture	0.1	%
Ca	100	ppm
Fe	300	ppm
Si	350	ppm
S	20	ppm

Crystallinity

Lc	50	nm
c/2	0.337	nm

Density

Scott	0.4	g/cm ³
Xylene	2.19	g/cm ³

Specific Surface Area

BET	130	m ² /g
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Particle Size Distribution

Laser Diffraction		
D10	2.8	µm
D50	13.2	µm
D90	43.0	µm