

# Technical Data Sheet Porocarb® L1110

Material number: 5146484

## General Characteristics

Formula: Carbon  
Aspect: Fine black powder  
CAS number: 7440-44-0

## Packaging

Test sample in PP bottle / bucket up to 1 kg available upon request. Standard packaging in square fiber drums (370 x 370 x 800 mm) made of cardboard with PE-inliner, 10 kg Porocarb per drum, 180 kg on one CP3 pallet, stacked two-layers of 9 drums on top of each other.

## Product Sample

Store in a dry, cool, dark and frost-free place.

## Typical Values

Characteristic	Value	Unit	Method
D <sub>10</sub> particle size	0.4	µm	BM-SOP-003
D <sub>50</sub> particle size	4.0	µm	BM-SOP-003
D <sub>90</sub> particle size	10.0	µm	BM-SOP-003
D <sub>99</sub> particle size	<20	µm	BM-SOP-003
Spec. surface area	580	m <sup>2</sup> /g	BM-SOP-001
Modal pore size*	110	nm	BM-SOP-002
Pore volume cor.*	0.35	cm <sup>3</sup> /g	BM-SOP-002
Bulk density	180	g/dm <sup>3</sup>	BM-SOP-005
Tap density	280	g/dm <sup>3</sup>	BM-SOP-004
Ash content	<0.1	%	SAA 5818
Fe	<15	ppm	SAA 5818
Ni	<10	ppm	SAA 5818
Zn	<5	ppm	SAA 5818

\* base carbon

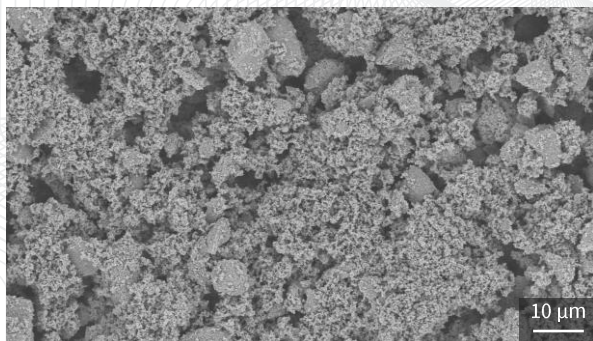


Fig. 1: SEM micrograph overview of loose Porocarb® powder.

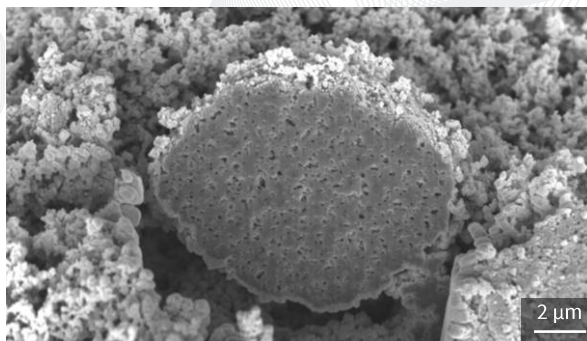


Fig. 2: SEM micrograph of isolated Porocarb® particle sliced by FIB.

As of March 2022. The information contained herein is compiled to the best of our knowledge. No warranty is made, neither expressed nor implied, regarding the values stated.



**NGC Battery Materials GmbH**  
Reinhard-Heraeus-Ring 27  
63801 Kleinostheim · Germany

porocarb@northerngraphite.com  
www.porocarb.com

NGCBM-FS-301-02-EN  
Editor: Product Management  
Release date: 03/01/2024