

Technical Data Sheet Porocarb® L1806

Material number: 5153181

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 ₁₀ particle size | 0.4 | µm | BM-SOP-003 |
| D ₅₀ particle size | 2.0 | µm | BM-SOP-003 |
| D ₉₀ particle size | 6.5 | µm | BM-SOP-003 |
| D ₉₉ particle size | <15 | µm | BM-SOP-003 |
| Spec. surface area | 60 | m ² /g | BM-SOP-001 |
| Modal pore size* | 110 | nm | BM-SOP-002 |
| Pore volume cor.* | 0.35 | cm ³ /g | BM-SOP-002 |
| Bulk density | 200 | g/dm ³ | BM-SOP-005 |
| Tap density | 270 | g/dm ³ | 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

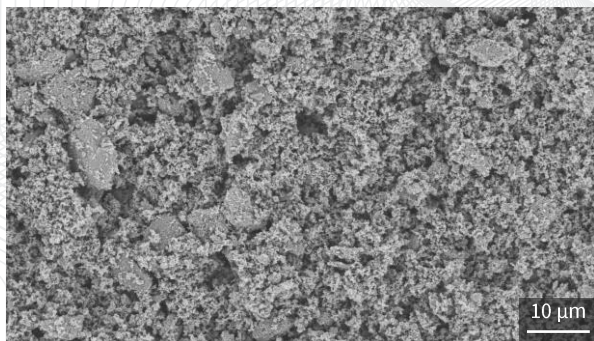


Fig. 1: SEM micrograph overview of loose Porocarb® powder.

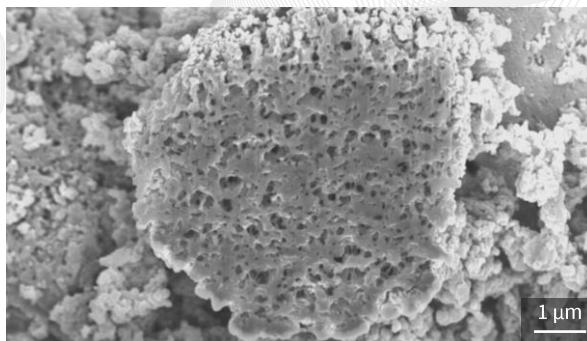


Fig. 2: SEM micrograph of isolated Porocarb® particle sliced by FIB.

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.



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