

Technical Data Sheet Ti 046

PRODUCT NAME

Anthrazit N

Chemical analysis

	average	
Carbon	92,0	%
Moisture	2,0	%
Ash	3,5-5,0	%
Volatile matters	5,5	%
Acid – solubility (19 per sent hydrochloric acid)	approx. 0,5	%

According to AWWA B100-01

Characteristics

Bulk density *	approx. 730 kg/m ³
Density	1,40 – 1,45 g/ccm
Grain porosity	< 10%
Hardness (according to DIN EN 101)	4 Mohs
Hardgrove	approx. 38
Attrition loss** per 100 backwashes	approx. 0,06%

Standard size

Type	grain size range mm	effective size d ₁₀ /mm	uniformity coefficient U = d ₆₀ / d ₁₀
S	0,001 – 0,1	-	-
0	0,1 – 1,0	-	-
I	0,8 – 1,6	0,9 - 1,0	≤ 1,4
II	1,4 – 2,5	1,5 – 1,6	≤ 1,4
III	2,0 – 4,0	2,6 – 2,7	≤ 1,4
IV	3,5 – 7,0	< 4,0	≤ 1,5

The portion of over- and under particles is in each case less than 5 % in accordance with the German Standard DIN 19623 “Filter Sands and Filter Gravels for Water Purification Filters.”

* This figure is an annual average value

** Attrition loss in the portion of particles < 0,5 mm grain size of initially 200 ml filter material, which was moved upside down with 30 Upm in a 300 ml bottle for 5 hours