





















HeBoFill®

Selection of Boron Nitride Powders

HeBoFill® Grade	205	410	400	100	120	641	630	450
particle size D50 [µm]	0.5	< 0.7	5	4	4	7	9	30
purity [%]	> 98.5	> 98.5	> 98.5	> 90.0	> 98.5	> 98.5	> 97.0	> 98.5
max. Oxygen [%]	1.0	1.5	1.5	5.0	1.5	0.3	2.5	0.5
max. Boron Oxide [%]	0.1	0.1	0.1	5.0	0.2	0.2	0.2	0.2
max. Carbon [%]	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
specific surface area [m ² /g]	16 - 26	20	16	7 - 13	5 - 12	4 - 6	25 - 30	6 - 8
bulk density (not compacted) [g/cm ³]	0.2	0.12	0.3	0.4	0.3	0.35	0.35	0.4
typical areas of application								
solid lubricant surface technologies • plating • sintered metals • polymers • thermal spraying								
release & lubricating agent • cold metal forming • hot metal forming								
heat conductive filler • polymeres								
heat conductive powder • cartridge heaters • thermocouples • embedding of sinterparts								
high performance additive in • oils • greases								

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