

Technical Data Sheet

Boron Nitride powder

Date Issued: 2017-11-13

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Boron Nitride powder
Product code	NC-0018-HP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)179 - 5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Boron Nitride
CAS No.	10043-11-5
Empirical Formula	BN
Molecular weight	24.82 amu
Purity	99.5 %
Average Particle Size (SSA)	<100 nm
Specific Surface Area (SSA)	19.4 m ² /g
Christall Structure	hexagonal
Color	white
Density	2.3 g/cm ³
Melting Point	1000°C (in Air), >1500°C (in inert atmosphere)
Coefficient of Friction (COF)	0.15 to 0.70
Dielectric Constant	4 MHz
Dielectric Breakdown strength	35 KV/mm

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Youngs Modulus 20-102 MPa

3 DISCLAIMER

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