

○ Properties of DENKA BORON NITRIDE Powder (Typical data)

Grade		GP	SGP	FP-1
Items				
BN	(%)	99	99	90
B ₂ O ₃	(%)	0.1	0.1	<0.1
T-O	(%)	0.8	0.3	6.5
C	(%)	0.1	<0.1	<0.1
Particle Sizes	(μ m)	7	19	13
Surface Area	(m ² /g)	9	2	2
Tapped Density	(g/cm ³)	0.5	0.8	0.5
Fe	(ppm)	10	30	20
Cr	(ppm)	4	10	≤ 3
Ni	(ppm)	≤ 2	5	≤ 2
Cu	(ppm)	≤ 3	≤ 3	≤ 3
Mn	(ppm)	≤ 4	≤ 4	≤ 4
Cl ⁻	(ppm)	10	3	≤ 1
Na ⁺	(ppm)	12	10	11
Fe ⁺⁺	(ppm)	3	3	32
EC	(μ s/cm)	1266	190	1970
pH		9.3	9.0	9.5
Melting Point	Sublimate at about 3,000°C			
Appearance	White or Light Yellow Powder			

T-O : Total Oxygen

Surface Area : Measured by BET Method

Particle Sizes : Measured by Laser Diffraction and
Scattering Method (Micro-track Method)