

Bnitril NW-101

Product Name: Hexagonal Boron Nitride

Appearance: White Slurry

Product Parameters:

Boron Nitride content:	10.0%
Organic phase:	Water
pH value:	6.00-8.00
Viscosity (cps):	500-6000
Specific gravity (g/cc):	1.00
Coating area (m ² /L):	2-8
Operating temperature:	1370°C 【Inertness】 850°C 【Oxidizing atmosphere】

Product Features and Applications:

Features:

- 1) Boron nitride is not affected and infiltrated by a large number of molten metals, slag and scum, and is not wetted by most molten metals, salts and fluxes. Thus, boron nitride is highly resistant to molten metal corrosion and light metal scum. It is resistant to high temperature above 850 °C and has high temperature lubricity and corrosion resistance.
- 2) This product is composed of high-temperature inorganic materials, which can be directly used. The slurry can also be diluted with water to directly brush, spray or impregnate. It is suitable for a variety of permeable and non-permeable materials, such as graphite, metal and ceramics.
- 3) Excellent cutting surface and lubricity make the product demould perfectly even at high temperature, which increases and extends the corrosion resistance and service life of graphite and non-oxide refractory components and tools.

Applications:

It is mainly used in light metal processing, recycled aluminium manufacturing, glass manufacturing and other surface demoulding. Eg:

- 1) Hot stamping, hot forging, hot extrusion.
- 2) Coating of sink, sink, spoon, sieve and cup.
- 3) Superplastic and rapid plastic forging.

Technical Data Sheet

Version: EN 1.0

Storage Information:

Manufacture area:	China
Packaging:	50 kg/ barrel
Storage:	Sealed and stored in a cool and dry place away from light
Shelf life:	12 months

Date: 2020/10/30