FUKKOL

Nourishment for Your Machines

TECHNICAL DATA SHEET

BORONNITRIDE COATING SPRAY

Description:

BORONNITRIDE COATING SPRAY Industrial chemical preparations with boron nitride as the core component. This product forms a highly lubricious layer on the mold surface through a fine powder formula, combining high temperature resistance, chemical inertness, and low friction coefficient (the friction coefficient can be as low as 0.16). It also possesses certain thermal conductivity and electrical insulation properties, reducing mold wear and improving workpiece demolding efficiency. It is primarily used in the deep bending/special-shaped processing of flat glass, as well as in the die-casting and welding of metals such as aluminum and copper. It is also applied in glass bottle production, metal wire drawing, continuous casting steel separation rings, titanium metal casting, and soldering and brazing.

Application:

- Used as a release agent for: - Molten aluminum - Magnesium and zinc
- Used for hot pressing and glass molding operations.
- Used as a dry film lubricant, anti-spatter agent, and welding flux.

Performance characteristics:

- High temperature resistance.
- It will not affect the contour of the finished product or hinder precise integration.
- Low friction coefficient characteristic.
- Silicone-free.

Usage:

Clean the surface of the substrate to ensure there is no contamination or grease of any kind. Place the spray can at a distance of "6-8" inches from the substrate surface. It is important to spray the product onto the desired marking location. When using, move the spray can side to side to obtain a thinner, uniform, and smooth coating. Any variation in coating thickness (such as dripping or flowing) will affect the appearance of the final marking. Some testing may be required at the beginning to achieve the correct coating thickness - which should not exceed 0.002 to 0.003 inches (0.05 mm). The correct spraying method is to use a black marker pen to draw a line on white paper with a black marker, and then spray just enough high-temperature boron nitride coating spray to make the line faint. If the coating is too thick, more power will be required to obtain the marking, and the image resolution will decrease.

Typical physical properties:

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Product	BORONNITRIDE COATING SPRAY
Appearance	white
Density 25℃, g/cm^3	0.85-0.95
Product	Insoluble in water
Appearance	LPG
Recommended working temperature	100° C to 800° C

Matters needing attention

1. pressure vessels, avoid direct sunlight, stored at below 50 degrees Celsius.
2. should not be sprayed to the flame. Do not stamp or burn the container.
3. this product is flammable.