

Grinding micron powder grinding aid DK-760EL

【 Performance and use 】

Dremfu DK-760EL grinding micron powder grinding aid is composed of various imported dispersants, suspending agents, and high-molecular-weight compounds. It is applied in the processing of non-metallic brittle materials such as sapphire, glass, ceramics, silicon wafers, etc., to enhance the suspension and dispersion of micro-powders such as boron carbide, diamond, silicon carbide, etc., preventing particle aggregation. It features good dispersibility, high suspension efficiency, good lubricity, strong cleaning effect, non-corrosiveness to equipment, and other advantages. This product can effectively improve the re-suspension of micro-powders and cutting powder, thus enhancing processing efficiency. It is suitable for flat milling, rough grinding, and precision grinding of various non-metallic brittle materials such as sapphire window slices, hard disk glass substrates, optical crystals, and precision ceramics.

【Product advantage 】

- Excellent suspension and dispersion performance
- Rapid improvement of grinding speed rate and excellent surface quality
- The grinding aid is a concentrated liquid, which can effectively save transportation costs
- Effectively prolongs the service life of grinding fluid, improves production efficiency
- Environmentally friendly, safe, and free of harmful substances

【 Main technical parameters 】

item	Technical indicators	Test method
External view	Green transparent liquid	Eye survey
pH value	9.5 ± 0.5	GB6144-85
Defoaming (ml)	2 or less	GB6144-85
Specific weight (g/ml)	1.05± 0.10	hydrometer
Surface tension (dyn/cm)	30 or less	GB6144-85
Storage stability	conjunctive	GB6144-85
corrosiveness	Grade A cast iron	GB6144-85
Rust resistance	Grade A cast iron	GB6144-85

【 Instruction 】

- When using this product, the effective ingredient should be maintained at around 5%, diluted at a ratio of approximately 1:15 (grinding fluid: water, by weight), stirred evenly before use. Due to variations in processing conditions, if there is loss or consumption during use, replenish the original solution and water in proportion.
- Mix and stir evenly with water for 2-3 minutes, then gradually add grinding particles (alumina, boron carbide, silicon carbide micro-powders) while stirring, stirring for a total of 5-8 minutes. Note: It is recommended to have a grinding material content of 20% (by weight), which can be increased to 30%.
- Continuously stir before and during use.
- Ensure sufficient mixture is sprayed onto the disc and workpiece during processing, keeping them adequately wet. Pay attention to the flow rate.
- It can be recycled. If the grinding efficiency noticeably decreases, new grinding fluid needs to be prepared and added.
- If the grinding speed remains unchanged, the dilution ratio can be increased to 1:30 or higher. Pay attention to changes in speed and abrasive lifespan, and try to control them within the production requirements.

【 Packaging 】

18L/ barrel, 25L/ barrel, 200L/ barrel.