SO A439 Silicon Dioxide Polishing Suspension

Introduction

AO 439 is an amorphous colloidal silica suspension with a pH of about 10. It is suitable for polishing metals, minerals, ceramics, polymers and semiconductor chips. Through the action of mechanochemical polishing, fast and good polishing effects can be obtained. It does not contain harmful ingredients to the human body and is conducive to environmental protection. The polishing time is saved by more than 50% compared with the international common polishing liquid.



Technical specifications

Appearance	White
Solids content （%）	40-50%%
Particle size （nm）	40-80nm
Density （25℃， g/cm3）	1.30-1.36
Viscosity （25℃，）	1-10 cps
pH	9.5-10.5
Shelf life (months)	12

Instructions

1. Shake well before use.

2. Spray the appropriate amount of polishing solution evenly on the edge of the polishing cloth to 1/3 of the distance from the center of the cloth.



Precautions

1. The polishing solution may precipitate after standing for a long time, so it should be shaken evenly before use.

2. Avoid exposure to air for long periods of time.

Storage

1. Store the polishing solution in a cool and ventilated place, away from direct sunlight.

2. The storage temperature should be greater than 0°C to prevent freezing, which will cause non-redispersible agglomeration below zero and fail.

3. Avoid exposure to air for long periods of time.