

Non-fluorine contained leveling agent MARPROOF™ AP

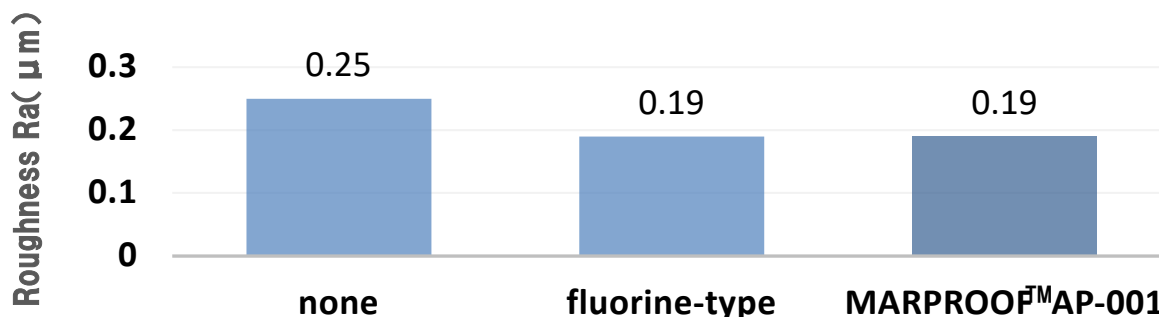
Characteristics

- Has surface tension reduction capabilities equivalent to fluorine based leveling agents
- Does not contain fluorine or silicone
- Soluble in wide range of solvents and resins

Applications

MARPROOF™ AP is a PFAS-substitute material which can be used as a leveling agent for applications such as semiconductor and photoresist for display.

Surface roughness evaluation



Leveling agent was added to the epoxy resin / phenol resin composite at 1wt%, and the surface roughness was evaluated after the film was formed.

Chemical inventory status

Japan(ENCS)	China(IECSC)	Taiwan(TCSI)	Korea(AREC)	US(TSCA)
※1	Not listed	Not listed	Not listed	Not listed

※1 Low volume new chemical substances

This catalog was produced based on our best-effort investigations, but the stated data and evaluation results are not necessarily guaranteed. All chemical substances present unknown hazards, so they must be handled with great care. Establish safe usage conditions based on the responsibility of each user.

In addition, for special handling, implement new safety measures suitable for the purpose and usage before use.

*If these or any other points are unclear, please contact one of our sales representatives.

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