HARE SQ™ Developer

DESCRIPTION

HARE SQ™ Developer is a solvent-based developer designed to cleanly develop HARE SQ™ epoxy films, leaving vertical profiles with no Line Edge Roughness (LER). KemLab developer is fully compatible with other lithographic epoxies such as SU-8. HARE SQ™ Developer uses only electronic grade materials that are common to the microelectronics industry.

ADVANTAGES

- Clean develop of KemLab HARE SQ™ negative epoxy resist
- Vertical Sidewall with no LER
- Fully compatible with other lithographic epoxies such as SU-8
- Direct replacement for SU-8 Developer

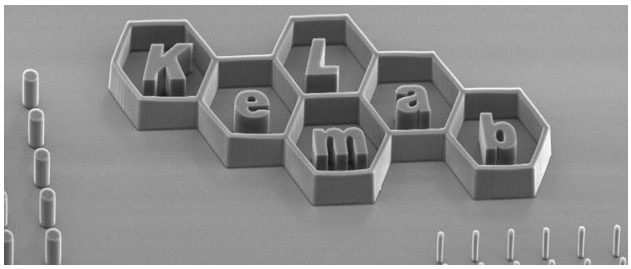

Figure 1. Kemlab logo and posts in 50 µm film

PROCESSING GUIDELINES

HARE SQ™ Developer is designed for use with HARE SQ™ negative tone epoxy resist. Developer can be performed with immersion, puddle or spray puddle. Thicker films benefit from refreshing developer during the develop step; such as with a double puddle. Gentle agitation during develop can increase developer refresh rates and shorten overall develop time. *Rinse* developer off substrate with isopropyl alcohol (IPA) and dry. The appearance of a hazy residue after rinse indicates incomplete development.

Process Guide Product: Epoxy Film Thickness	**SQ-2** **2 µm**	**SQ-5** **5 µm**	**SQ-10** **10 µm**	**SQ-25** **25 µm**	**SQ-50** **50 µm**	**SQ-50** **100 µm**	**SQ-50** **200 µm**
Develop (immersion)	1 minute	1 minute	2.5 minutes	3.5 minutes	6 minutes	15 minutes	25 minutes
# Baths / Puddles	1	1	1	1	2	2	3

STORAGE

HARE SQ™ Developer is a combustible liquid. Avoid light and store in an upright airtight container at 4–21°C. Keep developer away from oxidizers, acids, bases and sources or ignition.

HANDLING & DISPOSAL

Consult the SDS for handling and appropriate PPE. HARE SQ™ Developer contains a combustible liquid; keep away from ignition sources, heat, sparks and flames. This developer is compatible with typical waste streams used with photoresist processing. It is the user's responsibility to dispose in accordance with all local, state, and federal regulations.

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