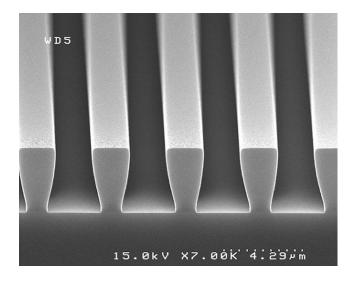
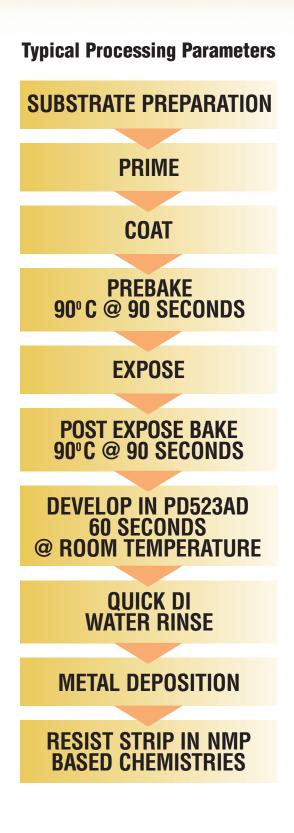
JSR NFR Dyed Photoresists

JSR Micro's NFR series of photoresists are chemically amplified Novalak resin-based, negative-tone resists. A dyed version creates re-entrant sidewall profiles designed for lift off applications. A non-dyed version is also available to create negative images with straight wall profiles. All NFR series resists have been optimized for I-line exposure and are effective for broadband exposure tools. One developer chemistry, PD523AD, is formulated to work with all the NFR series resists.

KEY FEATURES

- Fast and consistent processing with fewer defects or implant errors
- Chemically amplified to generate fully cross-linked Novalak resin with minimal exposure dose required
- Excellent etch properties for implant and electroplating processes
- Broad depth of focus, up to 2µm
- High aspect ratio, up to 5:1

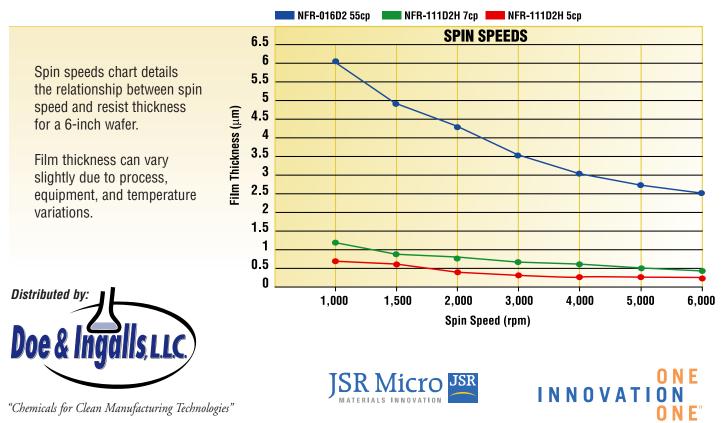




JSR NFR Dyed Photoresists

Product Summary

PRODUCT	VISCOSITY	MINIMUM CRITICAL DIMENSIONS	ENERGY DOSE*	PACKAGING
NFR 016 D2	55 cp	0.7 µm at 3 µm F.T.	100 mJ/s	1 Gallon Glass or NOWPak $^{\ensuremath{\mathbb{R}}}$
NFR 111D2H	5 cp	0.4 µm at ~ 1 µm F.T.	200 mJ/s	1 Gallon Glass or NOWPak $^{ m \tiny I\!S}$
NFR 111D2H	7 ср	0.4 µm at ~ 1 µm F.T.	200 mJ/s	1 Gallon Glass or NOWPak $^{ m @}$
DEVELOPER				*Energy doses are approximate values. NOWPak $^{\mbox{\scriptsize @}}$ is a registered trademark of ATMI, Inc
PD523AD Developer				4 x 1 Gallon, Drums or Totes



To further discuss how Doe & Ingalls can support your chemical requirements, contact us at

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