

DuPont™ Cyrel® FAST Round Thin

The Thermally Processable Digital Photopolymer Sleeve

Applications

- Flexible packaging
- Labels
- Aluminium Foils
- Shrink foils
- Folding boxes
- Gift wrapping paper



Cyrel® FAST Round Thin is a thermal processable photopolymer sleeve that is ideal for very high quality printing. Combined with a compressible adapter Cyrel® FAST Round Thin ensures good coverages on solids while maintaining a low dot gain..

Product Properties

- Endless printform
- Thermally processable
- High resolution for linework and halftone printing
- Excellent ink transfer for combinations of linework and halftones
- Outstanding thickness uniformity
- High productivity
- Glass fibre base sleeve with stable dimensions
- Excellent ozone resistance
- Excellent register accuracy

Printing Ink and Solvent Resistance

Cyrel® FAST Round Thin is suitable for use with alcohol and water-based flexographic printing inks and for UV-curing inks.

Sleeve Production

- No back exposure is required
- Digital imaging by ablating the LAMS mask on the Cyrel® FAST Round sleeve using a suitable laser system
- The main exposure forms the image
- The unexposed photopolymer is removed from the unimaged areas by a thermal development process to create a relief image within 10-15 minutes
- Finishing and post-exposure with UV-C and UV-A light
- Within approximately 35 minutes the sleeve is ready for the press

Storage of Raw Material

Unexposed Cyrel® FAST Round sleeves can be stored in the special transport box in a temperature controlled room for up to six months. Temperatures between 4°C and 32°C are recommended. The transport box enables a perfect protection for transport and storage.

Handling of Raw Sleeves

Prior to main exposure Cyrel® FAST Round sleeves should be handled in an environment with low exposure to UV light. We recommend to apply filters on UV emitting lamps and windows.

Storage of Processed Sleeves

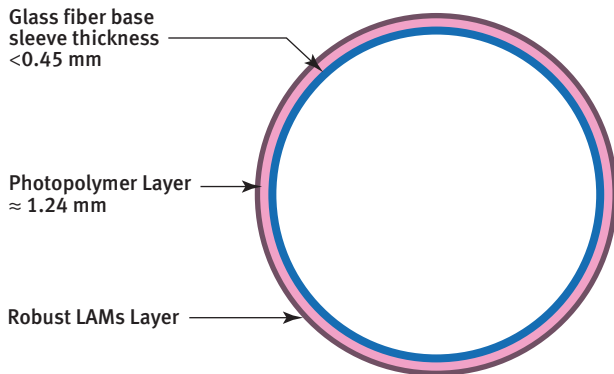
Printed sleeves should be cleaned carefully with a suitable solvent. The cleaning agent should be dried off before the sleeve is put on stock in the carton box. The box will protect the sleeve from light and mechanical damage.

DuPont™ Cyrel® FAST Round Thin

The Thermally Processable Digital Photopolymer Sleeve

DuPont™ Cyrel® FAST Round Thin Continuous photopolymer sleeve for digital imaging

Requires compressible adapters, e.g. Rotec Bridge Light H/C or Polywest Polybridge Soft



General information	Details
Min. circumference	320 mm
Max. circumference	820 mm, larger repeats on request
Max. length	300 – 1.450 mm
Structure	Glass fibre base sleeve <math>< 0,45\text{ mm}</math> Photopolymer ≈ 1,24 mm
Final hardness	75 Sh A
Internal diameter	According to Stork System
Image reproduction	1– 98%
Minimum positive line	0,075 mm
Isolated dot	0,125 mm in diameter
Relief depth	Approx. 0,55 mm

DuPont Industrial Solutions brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including DuPont™ Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



cyrel.eu

For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. It may be subject to revision as new knowledge and experience becomes available. This information is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in end-use and disposal conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. It is intended for use by persons having technical skill, at their own discretion and risk. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont™, the DuPont Oval Logo, and all products, unless otherwise noted, denoted with ™, ® or ® are trademarks, service marks or registered trademarks of affiliates of DuPont de Nemours, Inc. Copyright © 2022 DuPont de Nemours Inc. All rights reserved.

PDS-EU0029-EN (11/22)