

Oriented Films

Global Markets, Technologies, and Opportunities

2007 - 2011

“Oriented Films” is a global study of the oriented film and sheet industry with emphasis on flexible packaging and labels. It includes orientation technology, industry drivers, geographic trends, market statistics, and market forecasts. This study examines every oriented film and sheet market including OPET, OPP, OPA, OPS, OPLA, OPE, premium shrink film, barrier shrink films, and others. This study profiles or names all producers of bi-oriented film and sheet in the world, and it includes capacity estimates for each.

Market Analysis

The analysis of each market segment begins with total volume, then focuses on packaging and labels. For example, OPET film is used in the packaging, electronics, graphics, and industrial segments, and the analysis provides information for each of these end-uses. However, the packaging and labels markets are examined in the greatest detail including end-use, geographic region, product type, and other segmentations. All analyses include historical, current, and projected volumes to 2011.

Study Highlights

- **Analyzes orientation technology;** linear and tubular, simultaneous and sequential, mechanical and electromagnetic; further processing with coating and irradiation
- **Saves hours of research** with more than 80 detailed profiles of leading equipment suppliers and film producers
- **Forecasts growth volumes** and market trends for all major films, coatings, polymers, and processes
- **Singles out emerging contenders** such as linear orientation of polyethylene, sustainable resins, additives, synthetic paper for labels
- **Targets end-use applications** and markets for oriented films in more than 15 areas

Oriented Films

Extensive, primary research by industry experts is the cornerstone of Allied Development studies. **This new study is the most comprehensive on oriented film and sheet to date.** Today's market leaders are examined, tomorrow's **fast-rising** contenders are profiled and their prospects analyzed, and even **newly-commercial** candidates are covered. If you need to know where the future of oriented film and sheet is headed, you need this study.

Allied Development Studies

Oriented Films was researched, written, and published by Allied Development Corp., of Burnsville, Minnesota U.S.A.

Other recent studies available from Allied Development Corp. include:

Pharmaceutical Packaging - Global Markets, Technologies, and Opportunities - a detailed study of the drug packaging industry that examines key challenges and opportunities.

Retort Pouches - Global Markets, Opportunities, and Technologies - the definitive study of the global retort pouch industry, including technology, economics, and market analysis

Microwaveable Packaging - Technologies, Economics, and Markets - an in depth study of the North American Microwaveable packaging industry

Stick Pouches - Global Markets, Economics, and Technologies the first study dedicated to the stick pouch industry

Stand-up Pouches - Global Technologies, Markets, and Economics - an in depth study of stand-up pouches including volumes, trends, emerging competitive products, technologies, and economics

Medical Device Packaging - Global Technologies, Markets, and Economics - an in depth study of medical device packaging

Barrier Films and Coatings - Market Projections, Technologies, and Economics - a comprehensive global analysis of barrier materials used in flexible packaging

Flexible Lidstock Packaging - Markets and Technologies - a unique and in depth study of the NA flexible lidstock market

Glass-coated Films - Global Markets, Economics and Technologies - SiO_x- and Al₂O₃-coated films for packaging

Brochures available at: www.allied-dev.com

Expand your Network

"**Oriented Films**" includes every manufacturer of bi-oriented film and sheet on a global basis. The capacity of each manufacturer is broken down by product type.

The Technology Section examines current and future developments in:

- linear orientation equipment
- tubular orientation equipment
- polymers
- additives
- polylactic acid polymer
- coextrusion
- downgauging
- production output

Allied Development Corp.
2800 E. Cliff Road Suite 140
Burnsville, MN USA 55337
Phone: 1- 952-898-2000
Fax: 1-952-898-2242
Web: www.allied-dev.com

Table of Contents

Section I:

Introduction

- A. Oriented film defined
- B. Study organization
- C. Geographic regions
- D. Methodology
- E. Instructions

Section II:

Executive Summary

- A. Markets
 - 1. OPP films
 - 2. OPET
 - 3. Premium shrink
 - 4. Barrier shrink films
 - 5. OPA
- B. Geographic trends
- C. Technology
- D. Producers
- E. Summary

Section III:

Technology

- A. Origins of orientation
- B. Today's orientation equipment
- C. Linear orientation
 - 1. Sequential and simultaneous
 - 2. Production output
 - 3. Suppliers
- D. Tubular orientation
 - 1. Premium Shrink Film
 - 2. Barrier shrink films
 - 3. Polypropylene
 - 4. Nylon
 - 5. PVDC
 - 6. Suppliers
- E. Downgauging
- F. Coextrusion
- G. Film treatment
 - 1. Non-vacuum coating technology
 - 2. Vacuum deposition technologies
 - 3. Irradiation equipment
- H. Primary slitters
- I. Polymer developments
- J. Extrusion Additives
 - 1. Cavitation
 - 2. Titanium dioxide and calcium carbonate
- K. Additional technologies

Section IV:

Market Trends and Projections

- A. Market segment definition
 - 1. Oriented polypropylene
 - 2. Oriented polyester
 - 3. Oriented nylon
 - 4. Oriented polystyrene
 - 5. Oriented polylactic acid
 - 6. Oriented polyethylene
 - 7. Premium shrink
 - 8. Barrier shrink film
 - 9. Oriented PVDC
 - 10. All products
- B. Oriented polypropylene film
 - 1. Industry macro environment
 - 2. Market profile – all end-uses
 - 3. Market profile – packaging
 - 4. Market profile – labels
 - 5. Market profile – other market segments
 - 6. Oriented polypropylene projection
 - 7. Suppliers

- C. Oriented polyester
 - 1. Industry macro environment
 - 2. Market profile – major end-uses
 - 3. Market profile – packaging
 - 4. Market profile – other market segments
 - 5. Oriented polyester projection
 - 6. Suppliers
- D. Oriented polyamide films
 - 1. Industry macro environment
 - 2. Market profile
 - 3. Oriented polyamide projection
 - 4. Suppliers
- E. Oriented polystyrene
 - 1. Industry macro environment
 - 2. Market profile – packaging
 - 3. Market profile – labels
 - 4. Oriented polystyrene projection
 - 5. Suppliers
- F. Oriented polylactic acid films
 - 1. Industry macro environment
 - 2. Market profile – packaging
 - 3. Market profile – labels
 - 4. Oriented polylactic acid film projection
 - 5. Suppliers
- G. Oriented polyethylene film
 - 1. Industry macro environment
 - 2. Market profile
 - 3. Oriented polyethylene projection
 - 4. Suppliers
- H. Premium shrink film
 - 1. Industry macro environment
 - 2. Market profile
 - 3. Premium shrink projection
 - 4. Suppliers
- I. Barrier shrink film
 - 1. Industry macro environment
 - 2. Market profile
 - 3. Barrier shrink film projection
 - 4. Suppliers
- J. Oriented PVDC
 - 1. Industry macro environment
 - 2. Market profile
 - 3. Oriented PVDC projection
 - 4. Suppliers
- K. Combined oriented film and sheet market
 - 1. Linear vs. tubular
 - 2. Sequential vs. simultaneous
 - 3. Market segmented by raw material use
- L. Synthetic paper
- M. Linear orientation equipment market
 - 1. Market statistics
 - 2. Projection
 - 3. Suppliers
- N. Tubular orientation equipment market
 - 1. Market statistics
 - 2. Projection
 - 3. Suppliers

Section V:

Packaging Supplier Profiles

Section VI:

Equipment Supplier Profiles

Section VII:

Glossary

Oriented Films 2007 - 2011

Order Five ways from Packaging Strategies

CALL 1-800-524-7225 (PACK) ext.8511
Outside U.S. and Canada call:
1-610-436-4220 ext. 8511

FAX Completed order form to:
1-610-436-6277

ONLINE www.packstrat.com
Click on Studies

EMAIL orders@packstrat.com

MAIL Completed order form to:
Packaging Strategies
600 Willowbrook Lane
Suite 610
West Chester, PA 19382
U.S.A.

Ship To

Name _____

Title _____

Company Name _____

Street Address _____

City _____

State/Province _____

Country _____

Zip/Postal Code _____

Telephone _____

Fax _____

E-mail _____

Web Site _____

Payment Information

Oriented Films - 2007 to 2011

____@US\$4,500 Electronic Delivery.....\$ ____
(Both PDF and Web Browser access)

____@US\$50 Each additional Internet.....\$ ____
access User Password

____@US\$4,500 First **color** print copy\$ ____

____@US\$500 Each additional **color**\$ ____
print copy

Shipping & Handling Per Printed Copy.....\$ ____
(US\$25 in the U.S., US\$50 elsewhere)

TOTAL\$ ____

Payment Method

- Payment Enclosed (Payable to Packaging Strategies. in U.S. funds on a U.S. Bank)
- Charge my credit card
- VISA MasterCard American Express

Card number _____ Expiration date _____

Name on card _____

Signature _____