

FLEXIBLE PACKAGING SURVEY

bars. Mobil's new Bicolor LTSC OPP for horizontal form/fill/seal equipment offers heat seal temperatures of 160°F, 20° lower than most coextruded films. The film offers line speeds as fast as 200 feet per minute, 50 feet per minute faster than coextrusions. It also accepts a wider variation in speeds at any temperature, a key component to smooth operation and higher throughputs with today's servo machines that vary speeds to adjust for package input rates.

To introduce its *Craisins* cranberry fruit snack, Ocean Spray Cranberries Inc. used the graphics and barrier offered by American Packaging Corp.'s Kardogard Paper/PVdC/PE. With equivalent barrier to foil, this material allows metal detection and was easy to run on available packaging equipment.

For gum production, a "tricky to apply" patterned silicon no-stick coating is applied to the wrapper. But if the coating gets in the seal area, the package won't seal. For a new bubble gum product, a converter has replaced the silicon with a food grade proprietary additive built into the sealant. Now the wrapper seals more consistently, providing the processor with much better throughput.

PACK IT UP, MOVE IT OUT

Survey after survey shows that 80% or more of buying decisions are made at the point of purchase. Flexible packages are increasingly providing that last-minute promotion especially critical to snacks.

The new flexible standup pouch used by Nabisco's Planters Div. provides that "pop on the shelf," states Susan Farrell, senior manager of Planters and LifeSavers packaging services.

The bold, contemporary graphics are essential to initial trial. The pouches have been successful in attracting consumers who aren't major nut purchasers, Planters says. The convenience of the recloseable bag increases appeal by attracting

New Players

Since last year, the players in the flexible packaging arena have shifted their resources to better meet the demands of the marketplace. First, Hercules Inc. decided to sell its Packaging Film Group to Applied Extrusion Technologies Inc. (AET) in January for \$160 million in cash. AET itself is a former Hercules division producing films for personal care products.

AET is now the second largest producer of OPP (150 million lbs. a year) after Mobil (200 million). With the large usage of OPP film for snack packaging, it is not surprising that several snack film suppliers also are major OPP film producers: Simpro Inc. (50 million lbs.), Toray Plastics (America) Inc. (45 million), Quantum Performance Films (35 million) and Borden Packaging & Industrial Products (30 million). While a recent study by Permapack, Lenni, Pa., points to near-term oversupply, annual demand growth of 6% worldwide should soon fill up capacity.

Other flexible packaging suppliers are making acquisitions to broaden their markets. Graphic Industries expanded its product line by purchasing Beckett, a metallizer in Toronto, and Package Products, a converter in Charlotte, N.C. Lawson Mardon, a Canadian packaging company, expanded its international presence with Alusuisse Flexible. And Printpack Inc. boosted its worldwide standing after the recent acquisition of UCB with the purchase of Flexpack. ●

"grab 'n' eat" consumers.

This package is the result of steady improvements in machinery and materials, states Farrell, rather than a big breakthrough. The bag is a heavy-gauge foil laminate with a sealant to provide the high barrier required by nuts.

Tortilla chip maker S&K sought out similar "shelf-popping" power when looking to package its all-natural *Nana's Cocina* brand of tortilla chips, says President Eugene Suarez. Using a premade white kraft window bag lined with polypropylene from Bagcraft Corp. of America, the chips are sold in several supermarket chains in the Mid Atlantic area. The bags achieve a minimum of 75 days shelf-life.

While for Planters and S&K newer is better, sometimes consumers prefer traditional packages, says Jim Scott, Nabisco's director of biscuit packaging development. The inner wrapper for *Ritz* cracker was originally made of wax/glassine with an amber hue. When Nabisco switched to clear OPP for a better moisture barrier, consumers complained it was difficult to open and reclose. After *Reduced Fat Ritz* were

introduced, James River Corp. made an HDPE/Nylon/Surlyn® coextrusion that matched the moisture barrier and the amber color, had easy peel and was recloseable.

On the other hand, easy opening is the goal for many snack makers. How often have you struggled to open a chip bag and suddenly dumped the entire contents into your lap and onto the floor? Hargro Packaging's vice president of marketing, Dick Abbott, says the RipGard™ OPP lamination prevents the bag from tearing. The proprietary structure helps control the initiation and propagation of the opening so bags open more easily and don't come apart.

More than ever, flexible packaging will be protecting the *product* quality of snack food up to and beyond the *place* of sale within the *price* point required — and helping *promote* the product to "pop" off the shelf. Packaging is poised to deliver a major contribution to the "4 P's" of the marketing mix both now and in the future.

Huston Keith of Keymark Associates is a packaging and marketing consultant in Marietta, Ga.

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SNACK FOOD'S DIRECTORY OF FLEXIBLE PACKAGING SUPPLIERS

| Company | Process | Structure | SNACK TYPE | | | | | | | |
|---|---|-------------------------------|-------------|---------|----------|------|------|-------|-------|-------|
| | | | Salted | Cookies | Crackers | Meat | Nuts | Fruit | Candy | Other |
| American National Can 8700 W. Bryn Mawr Ave. Chicago, Ill. 60631 Andrew Thurstone Product Manager - Snacks (312) 399-8575 FAX (312) 399-8099 | Laminated | All Films & Materials | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Coex | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Solventless Adh. | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Pouches | Various (Standup & Regular) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Flexographic Print | 8-color | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Rotogravure Print | 8-color | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Cold Seal | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Blown | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| American Packaging Corp. 2900 Grant Ave. Philadelphia, Pa. 19114-2395 Bruce Kemp, V.P., Sales & Marketing (215) 698-4800 | Met., Rotogravure, Laminated in-line | Film/Ink/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Film/Ink/Adh./Foil/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Film/Ink/Adh./Met.-OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Film/Ink/Adh./Film/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Ink/Paper/Adh./Foil/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Ext., Rotogravure or Flexographic | Film/PE/Film/PE/Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Film/PE/Film/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Film/PE/Foil/Adh./Film | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Applied Extrusion Technologies Inc. Hercules Plaza Wilmington, Del. 19894-0001 Barry Jones, Dir., Sales (302) 594-6701 FAX (302) 594-5204 | Slip-Modified | OPP Hercules T523 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | OPP Hercules T523-23 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Met. OPP | Ultimet MST2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Ultimet MST3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | PVdC-Coated | Hercules UBS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Hercules HR500/2S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Hercules WT503/2B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Hercules WT502/2S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Opaque OPP | Hercules SB522/1 S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sealable Coex OPP | Hercules HSL | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bagcraft Corp. of America 3900 W. 43rd Chicago, Ill. 60632 Alden Cohen, V.P., Communications Stanley Kerman, V.P., Sales (312) 254-8000 FAX (312) 254-8204 | Laminated* | Hi-Gloss/PP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Super Cal/PP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Kraft/PP/Window | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Kraft/PP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Coated* | Tac-Seal Kraft/PP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Kraft/Wax | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Borden Packaging & Industrial Products 351 Holt Rd. North Andover, Mass. 01845 William Halter, Marketing Mgr. (508) 682-0701 FAX (508) 682-3740 | Met. | OPPtimum | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Laminated | Proponite OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | OPPticoat | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Coex | OPPtwrap (OPP/PVdC) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | OPPtwrap (OPP/Acrylic) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C-P Converters 15 Grumbacher Rd. York, Pa. 17402 Ron Leech, V.P., Sales/Marketing (717) 764-1193 FAX (717) 764-2039 | Laminated | OPP/PVdC/OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CoSar Plus | OPP/OPP Met. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CoMet Plus | OPP/PE/PVdC/OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CoSar EX | OPP/PE/OPP/Met. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CoMet EX | OPP/Cast OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CoLam | PET/LDPE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Curwood Inc., A Bemis Co. 2200 Badger Ave. Oshkosh, Wis. 54903-2968 Terri Cubitt, Marketing Associate, Snack Foods (414) 236-7347; FAX (414) 236-7306 | Laminated | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Met. | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Duralam Inc. P.O. Box 862 Appleton, Wis. 54912-0862 Steve Shepard, V.P., Marketing (414) 734-6698; FAX (414) 734-5241 | Laminated | Custom Structures with OPP, | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Met. | PET, PE, etc. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Pouch: Reclosable | Rollstock | unspecified | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Company | Process | Structure | SNACK TYPE | | | | | | | |
|--|---|---|------------|---------|----------|------|------|-------|-------|-------|
| | | | Salted | Cookies | Crackers | Meat | Nuts | Fruit | Candy | Other |
| Graphic Packaging Corp. 955 Chesterbrook Blvd., Suite 300 Wayne, Pa. 19087 Fred Levitt, Bags Don James, Laminations (610) 695-9200 FAX (610) 251-1362 | Laminated | Paper/Film Film/Foil/Film Film/Film | ✓ | ✓ | | | | | | |
| | Bags | Film/Paper w/Film Liner Paper w/Film Liner | | ✓ | | | | | | |
| | Met. Cold Seal | Various Various | ✓ | | | | ✓ | | | ✓ |
| | | | | | | | | | | |
| Hargro Packaging 415 Eagleview Blvd. Exton, Pa. 19341 Dick Abbott, V.P., Marketing (215) 458-7422 FAX (215) 458-7428 | Laminated | RipGard™ OPP/OPP Super Block™ I OPP/Adh./PVdC/OPP Super Block™ II OPP/PE/PVdC/OPP HB OPP/Adh./LDPE OPP/Adh./LDPE | ✓ | ✓ | ✓ | | | | ✓ | |
| | Met. | OPP/PE/Met. PET/Sealant OPP/PE/Met. BON/Sealant OPP/Adh./Met. OPP OPP/PE/Met. OPP Met. PET/Sealant | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| | Cold Seal | Paper/Film/Cold Seal Met. PET/OPP/Cold Seal PP/Paper/Cold Seal Film/Cold Seal | | ✓ | | | | | | ✓ |
| | Coex | Various | ✓ | | ✓ | | | | | |
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| Himac Inc. 457 Main St., Suite 4B Danbury, Conn. 06811 Dave McKee, V.P., Sales & Marketing (404) 505-1203; FAX (404) 505-1302 | Met. | PET Biaxially Oriented Nylon CPP | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Hoechst Diafoil Corp. P.O. Box 1400 Greer, S.C. 29652 Ed Koinskie, Industry Specialist (803) 879-5754; FAX (803) 879-5006 | Coated | Hostaphan 2600/2660 2660 Hostaphan 2DEF/2DEH | ✓ | ✓ | ✓ | | ✓ | | | |
| | | | ✓ | ✓ | ✓ | | ✓ | | | |
| ICI Americas Inc., Films Div. Concord Plaza 3411 Silverside Rd. Wilmington, Del. 19850 Bill Nelson, Marketing Mgr., PFL Films (302) 887-8166; FAX (302) 887-1742 | | Melinex 813/840 PET Melinex 800 PET Melinex 850H, 851H Heat-Sealable PET | ✓ | ✓ | ✓ | | ✓ | | | |
| | | | ✓ | ✓ | ✓ | | ✓ | | | |
| | | | ✓ | ✓ | ✓ | | ✓ | | | |
| | | | ✓ | ✓ | ✓ | | ✓ | | | |
| Lawson Mardon Flexible Inc. 3800 N. Wilkes Rd., Suite 150 Arlington Heights, Ill. 60004 Tom Grey, V.P., Sales & Marketing (708) 590-2800 FAX (708) 590-2829 | Monolayer | Printed OPP/Cohesive Printed LDPE Printed Cello | | | ✓ | | | | ✓ | ✓ |
| | Laminated | OPP/Ink/Adh./OPP OPP/PE/OPP Cello/Ink/Adh./OPP OPP/Ink/Adh./LDPE PET/Ink/Adh./Poly | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| | Met. | OPP/Ink/Adh./Met. OPP OPP/Ink/PE/Met. OPP | ✓ | ✓ | | | | | | ✓ |
| | Coated | OPP/Ink/Adh./OPP/Cohesive OPP/Ink/Adh./Met. OPP/Cohesive | | ✓ | | | | | | ✓ |
| Milprint, Inc., A Bemis Co. 2451 Badger Ave. P.O. Box 2968 Oshkosh, Wis. 54903-2968 Mike Miller, Marketing Mgr. (414) 236-8600 FAX (414) 236-8610 | Laminated | OPP/OPP PP/PE Paper/Sealant Glassine/Sealant | | | | | | | ✓ | ✓ |
| | Met. Cold Seal | Met. OPP/Sealant OPP/Ink/Adh./Met. PET/Cold Seal OPP/Cold Seal Lacquer/Ink/Adh./Met./ PET/OPP/Cold Seal | | | | | | | ✓ | ✓ |
| | Flexographic Print Rotogravure Print | 8-color, All Structures 8-color, All Structures | | | | | | | ✓ | ✓ |
| | | | | | | | | | ✓ | ✓ |
| | | | | | | | | | ✓ | ✓ |
| Mobil Chemical Co., Films Div. 1150 Pittsford-Victor Rd. Pittsford, N.Y. 14534 Tony Orea, Marketing Assistant (716) 248-1193 FAX (716) 248-1075 | Met. | Mobil Metallyte OPP Met. HB OPP | ✓ | ✓ | ✓ | | | | | |
| | Coated | Bicor HBS2 OPP Bicor PXS OPP Bicor LTSC OPP Bicor PXS OPP Bicor AOH OPP Bicor AXT OPP Procor AB-X OPP Bicor AB OPP Bicor ASB OPP Bicor ASB-X OPP | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |
| | | | ✓ | ✓ | ✓ | | | | | |

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FLEXIBLE PACKAGING SURVEY

| Company | Process | Structure | SNACK TYPE | | | | | | | | |
|--|--|---------------------------|------------|---------|----------|------|------|-------|-------|-------|--|
| | | | Salted | Cookies | Crackers | Meat | Nuts | Fruit | Candy | Other | |
| Mobil Chemical Co., Films Div. (continued) | Coex | Bicor BSR-One OPP | ✓ | ✓ | ✓ | | | ✓ | | | |
| | | Bicor SPW OPP | ✓ | ✓ | ✓ | | | | | | |
| | | Bicor HSH OPP | | ✓ | ✓ | | | | | | |
| | Slip | Bicor LBW OPP | ✓ | ✓ | ✓ | | ✓ | | | | |
| | | Bicor LCM-W OPP | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| | Opaque, Coated | OPPalyte HSTW OPP | | | | | | | | ✓ | |
| | | OPPalyte HSW OPP | | ✓ | ✓ | | | | | ✓ | |
| | Opaque, Uncoated | OPPalyte ASW OPP | | ✓ | ✓ | | | | | ✓ | |
| | | OPPalyte TW OPP | | | | | | | | ✓ | |
| | | OPPalyte WOS OPP | | ✓ | ✓ | | | | | ✓ | |
| OPPalyte HTW OPP | | | | | | | | | ✓ | | |
| Packaging Products Corp. 6800 W. 61st St. Mission, Kan. 66201 Jack Joslin, President (913) 262-3033 | Laminated | PP/Ext./PP | ✓ | ✓ | | | | | | | |
| | | PP/Adh./PP | ✓ | ✓ | | | | | | | |
| | | PP/Ext./PE | | | | | | | | | |
| | | PP/Adh./PE | | | | | | | | | |
| | Met. | PET/Ext./PP | ✓ | | | | | | | | |
| | | PET/Adh./PP | ✓ | | | | | | | | |
| | | PP/Ext./PP | ✓ | | | | | | | | |
| | | PP/Adh./PP | ✓ | ✓ | ✓ | | | | | | |
| | Coated | PET/Ext./PP | ✓ | | | | | | | | |
| | | PET/Adh./PP | ✓ | | | | | | | | |
| | Monolayer | PP/Extrusion Coating | | ✓ | | | | | | | |
| | | PET/Extrusion Coating | | ✓ | | | | | | | |
| | | PP | | ✓ | ✓ | | | | | ✓ | |
| | | PET | | | | | | | | ✓ | |
| | | PE | | | | | | | ✓ | | |
| | | Cellophane | | ✓ | ✓ | | | | ✓ | | |
| Pacquet Oneida Inc. 10 Clifton Blvd. P.O. Box 449 Clifton, N.J. 07015 Helmut Kern, V.P. (201) 777-5600/(800) 631-8388 FAX (201) 777-2155 | Laminated | OPP/PE/PVdC/OPP | ✓ | | | | | | | | |
| | | OPP/Adh./OPP | ✓ | ✓ | ✓ | | | | | | |
| | | OPP/PE/OPP | ✓ | | ✓ | | ✓ | | | ✓ | |
| | Met. | OPP/Adh./Met. PP | ✓ | ✓ | | | | | | ✓ | |
| | | OPP/PE/Met. OPP | | ✓ | | | | | | | |
| | Coated | 250K/Adh./Met. PET OPP | | ✓ | | | | | | | |
| | OPP | | ✓ | ✓ | | | | | | | |
| Paramont Packaging Corp. 202 Oak Ave. Chalfont, Pa. 18914 David J. Fahey Director, Sales & Marketing (215) 997-4396 FAX (215) 997-4427 | Ext., Adh. Lamination, Rotogravure or Flexographic Print, Photopolymer Plates, Roto- gravure Engraving, Bags | OPP/Adh. Ext./LDPE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | PET/Adh. Ext./OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | LDPE/Adh. Ext./Met. OPP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | LDPE/Adh. Ext./Met. PET | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | LDPE/Adh. Ext./Met. LDPE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Printpack Inc. 4335 Wendell Dr. Atlanta, Ga. 30336 Susan Folds Corp. Communications Mgr. (404) 691-5830 FAX (404) 699-6116 | Laminated | OPP/Adh./OPP | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| | | OPP/LDPE/OPP | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| | | PET/LDPE | ✓ | | | ✓ | | ✓ | ✓ | ✓ | |
| | | OPP/LDPE | | | | | | ✓ | ✓ | ✓ | |
| | | OPP/LDPE/Foil/PE | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | |
| | | PET/LDPE/Foil/Ionomer | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | |
| | | OPP/LDPE/APET | ✓ | ✓ | | | | | | | |
| | | Paper/LDPE/OPP | ✓ | | | | | | | | |
| | | OPP/LDPE/LDPE | | ✓ | | | | | | | |
| | | Paper/LDPE/Foil/LDPE/LDPE | | ✓ | | | | | | | |
| | | OPP | ✓ | ✓ | | | | ✓ | ✓ | | |
| | | OPET | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| | | Sigma Pak APET | ✓ | ✓ | | | | | | | |
| | Bar Wrap | WOPP/Pattern Cold Seal | | | | | | | | ✓ | |
| | | PVdC Coated WOPP/PCS | | | | | | | | ✓ | |
| | | OPP/Adh./WOPP/PCS | | | | | | | | ✓ | |
| | Multipack | OPP/Adh./Met. PET/PCS | | | | | | | | ✓ | |
| | | OPP/PCS | | | | | | | | ✓ | |
| | | Acrylic Coated OPP | | | | | | | | ✓ | |
| | | PVdC Coated WOPP | | | | | | | | ✓ | |
| | Bag | OPP/LDPE | | | | | | | | ✓ | |
| | | PET/LDPE | | | | | | | | ✓ | |
| | | LDPE/LDPE | | | | | | | | ✓ | |
| OPP/Met. OPP | | | | | | | | | ✓ | | |
| | | | | | | | | | ✓ | | |

| Company | Process | Structure | SNACK TYPE | | | | | | | | |
|---|--------------------|-----------------------------|------------|---------|----------|------|------|-------|-------|-------|---|
| | | | Salted | Cookies | Crackers | Meat | Nuts | Fruit | Candy | Other | |
| Quantum Performance Films 601 E. Lake St. Streamwood, Ill. 60107-4195 Jane Day, Dir., Sales (708) 830-6900 FAX (708) 830-6209 | Met. | Normet XLW | ✓ | ✓ | ✓ | | | | ✓ | | |
| | | Normet CW | ✓ | ✓ | ✓ | | | | ✓ | | |
| | Coex | LTS-1, 2 (Low-Temp Sealant) | | | | | | | | | |
| | | CLD (Cold Seal) | | | | | | | | ✓ | ✓ |
| | | CW-S (Low COF) | ✓ | ✓ | ✓ | | | | | ✓ | |
| | | RAP (Shrink) | | | | | | | | ✓ | |
| | | CGW | ✓ | ✓ | ✓ | | | | | ✓ | ✓ |
| | | CGW-3 | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ |
| HBHE (High Barrier, High Energy) | | ✓ | ✓ | | | | | ✓ | ✓ | | |
| Plicon Corp. 1700 Concord Blvd. Columbus, Ga. 31904-4442 Don Plote, V. P., Sales & Marketing (706) 327-0234; FAX (706) 322-3899 | Met. | PET/PE | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| | | PET/OPP/Foil/PE | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| | | OPP/OPP | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| | | OPP/PE | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Rhone-Poulenc Inc., Films Div. 2754 West Park Dr. Holcomb, N.Y. 14469 Vic Platta, Sales Mgr. (716) 657-5820/(800) 333-0974 FAX (716) 657-5838 | Plain | PET, Various Gauges | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Corona-Treated | PET, Various Gauges | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Coex | Co-PET, Heat Sealable | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Coated | PET/PvDc, PVOH | | | | ✓ | | ✓ | | | |
| Seville Flexpack Corp. 9905 S. Ridgeview Dr. Oak Creek, Wis. 53154 Jay Yakich, Dir., Sales (414) 761-2751; FAX (414) 761-3140 | Laminated | Flexfilm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Coated | Custom Laminations | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Met. | Custom Laminations | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Simpro Inc. 4949 Windfern Drive Houston, Texas 77041 Jose Simon, Director (713) 460-7600/(800) 874-6775 FAX (713) 690-3420 | Clear Coex | XAS-T | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| | Metal Coex | XDAS-TM | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| | Barrier Coex | BXAS-T | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| | Barrier Metal Coex | BXDAS-T | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| | Non-Seal Coex | AP-T | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| Smurfit Flexible Packaging 1228 E. Tower Rd. Schaumburg, Ill. 60173 Joe Marinacci, V.P., Sales & Marketing (708) 884-1200 FAX (708) 884-7206 | Laminated | PP/PP | ✓ | | | ✓ | | ✓ | | | |
| | | CelloIPP | ✓ | | | ✓ | | ✓ | | | |
| | | Nylon/PE | ✓ | | | ✓ | | ✓ | | | |
| | | PETIPE | ✓ | | | ✓ | | ✓ | | | |
| | Met. | PET | ✓ | | | ✓ | | ✓ | | | |
| | | Nylon | ✓ | | | ✓ | | ✓ | | | |
| | | PP | ✓ | | | ✓ | | ✓ | | | |
| | | PET | ✓ | | | ✓ | | ✓ | | | |
| Coated | PP | ✓ | | | ✓ | | ✓ | | | | |
| | Nylon | ✓ | | | ✓ | | ✓ | | | | |
| Toray Plastics (America) Inc. 50 Belver Ave. North Kingstown, R.I. 02852 Rick Schloesser, V.P.-Sales/Marketing, Torayfan (401) 294-4511 FAX (401) 294-1480 | Met. | PWX2 OPP | ✓ | ✓ | ✓ | | | | | ✓ | |
| | | PWS OPP | ✓ | ✓ | ✓ | | | | | | |
| | | PMX OPP | ✓ | ✓ | ✓ | | | | | | |
| | | PG1 OPP | ✓ | ✓ | ✓ | | | | | | |
| | | YL82 OPP | ✓ | ✓ | ✓ | | | | | | |
| | Coex | Various OPP | | ✓ | ✓ | | | | | | |
| | Other (matte) | YM OPP | ✓ | ✓ | ✓ | | | | | | |
| F59 OPP | ✓ | ✓ | ✓ | | | | | | | | |
| Union Industries Inc. 10 Admiral St. Providence, R.I. 02908 Debbie Siden, Sales Mgr. (401) 274-7000; FAX (401) 331-1910 | Laminated | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Met. | Various | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

KEY TO ABBREVIATIONS AND SYMBOLS

Adh.—Adhesive
Coex—Coextruded
EVA—Ethylene Vinyl Acetate
Kraft—Paper
OPET—Oriented Polyethylene Terephthalate
PET—Polyethylene Terephthalate
*Preformed bags

APET—Amorphous Polyethylene Terephthalate
CPP—Cast Polypropylene
Ext.—Extrusion Laminated
LDPE—Low-Density Polyethylene
OPP—Oriented Polypropylene
PS—Polystyrene

BON—Biaxially oriented nylon
EVOH—Ethylene Vinyl Alcohol
HDPE—High-Density Polyethylene
Met.—Metallized
PE—Polyethylene
PvDc—Polyvinylidene Chloride