



i protect



STRETCH FILM



 **SuperFLEX**[®]
brand performance stretch wrap

 **StretchFLEX**[®]
brand stretch wrap

i protect



STRETCH FILM

IPG® produces both cast and blown stretch film in our modern production facilities. This assures that we will have the right type of product to offer our customers regardless of the application. Our stretch film manufacturing facilities are ISO certified and utilize techniques such as Six Sigma and Lean Manufacturing to ensure we produce the highest quality products consistently and cost-effectively.

MARKETS

- Fulfillment
- Food Processing

CAST STRETCH FILM




- Multi-layer construction
- Excellent load retaining capability
- High film puncture and tear resistance
- Superior film clarity
- Single-sided or two-sided cling formulations
- Thinner gauge films with significant performance advantages and cost savings

BLOWN STRETCH FILM

- Manufactured in both mono-layer and three-layer construction
- Superior load-holding capability
- Very high levels of puncture and tear resistance
- High cling levels

CHOOSING THE RIGHT PRODUCT

KEY QUESTIONS TO CONSIDER

QUESTION	SITUATION(S)	SOLUTION(S)
Is there a centralized packaging area?	Yes	Consider using wrapping equipment
	No	Likely candidate for hand wrapping
What is the production volume?	Low (<30 pallets/8 hours)	Hand applied film
	Medium (30-100 pallets/8 hours)	Semi-automatic machine applied film
	High (>100 pallets/8 hours)	Automatic film application
What is the load weight?	Low (Under 1200 lbs)	60 gauge or below hand or machine applied film
	Medium (1200-2000 lbs)	63-80 gauge hand or machine applied film
	High (Over 2000 lbs)	90 gauge or above hand or machine applied film
What is the load type?	Type "A" - Regular shaped pallet with product fitting pallet closely 	60 gauge or below hand or machine applied film
	Type "B" - Slightly irregular load - corners and/or product fitting within 3 inches on sides 	63-80 gauge hand or machine applied film
	Type "C" - Highly irregular loads and/or loads which are greater than 3 inches from fitting size of pallet 	90 gauge or above hand or machine applied film
What is the speed of the film application?	Low (hand applied or <15 RPM)	Any hand wrap or machine grade film
	Medium (machine applied 16-25 RPM)	Any machine grade film
	High (machine applied above 25 RPM)	SSC, Genesys® or Genesys® Ultra

QUESTIONS OUR SALES TEAM WILL ASK

- If machine applied, what type of machine is it and what is the pre-stretch level?
- What types of film (if any) are you currently using and how is it working?
- How are packaged products stored and shipped, and for what periods of time?
- The answers to these and other questions will provide the guideposts for our sales engineers to provide the perfect recommendations.

IF WE CAN PROTECT AN AIRPLANE, WE CAN PROTECT YOUR PRODUCT.

IPG® tapes and films offer the best performance, quality and value for light-duty to high performance applications. They are engineered for specific end-use applications, manufactured to the highest quality standards, from the finest raw material components available. IPG® industrial tapes meet and exceed many government, automotive, transportation and aerospace specifications.



HIGH PERFORMANCE MACHINE APPLIED STRETCH FILM

IPG®'s SuperFLEX® high performance machine applied stretch products offer best-in-class load holding power and resistance to puncture and tear equal to films up to 40% heavier in gauge. Lighter gauge Genesys® and Genesys® Ultra machine rolls with longer footage reduce the number of roll changes required resulting in reduced costs to wrap loads. Upgrade to Genesys® Ultra Plus for even higher prestretch and higher load retention.

G7

- Highest available load containment using common pre-stretch levels
- Lowest film weight to load retention ratio in the industry
- Extreme tear resistance - 23% increase over the competition
- Sustainable through plastic use reduction, store drop-off recycling, and Cradle to Cradle Certified® Silver
- Remarkable clarity with a high gloss finish
 - Produced in 41, 45, and 48 gauges
 - Metric widths only; 500mm and 750mm
 - Available in 2 different roll diameters



GENESYS® ULTRA

- High performance stretch film for demanding previous heavier gauge applications
- Offers high pre-stretch levels with adjustable load containment for a variety of demanding applications
- Manufactured on state of the art cast extrusion lines
- High clarity and cling
 - Produced in gauges from 39 to 50
 - Standard widths include 20" and 30"
 - Roll diameters from 8" to 10"

GENESYS®

- High performance stretch film for high performance applications.
- Offers high load containment
- Excellent puncture / tear resistance
- High cling / slip all while stretching on high speed stretch wrappers at pre-stretch levels up to 300% and beyond.
- High clarity and cling
- Produced in gauges from 50 up to 95.
- Standard widths are 20" and 30"
- Roll diameters from 8" to 10"

 **SuperFLEX®**
brand performance stretch wrap

HIGH PERFORMANCE HAND WRAP STRETCH FILM

IPG®'s SuperFLEX® high performance hand wrap stretch products offer best-in-class load holding power and resistance to puncture and tear equal to films up to 40% heavier in gauge. Lighter gauge hand applied films like Orbit Air™ B and Prolite® provide the same performance of heavier gauge products in rolls weighing half the weight resulting in reduced costs to wrap loads.

ORBIT AIR™ B

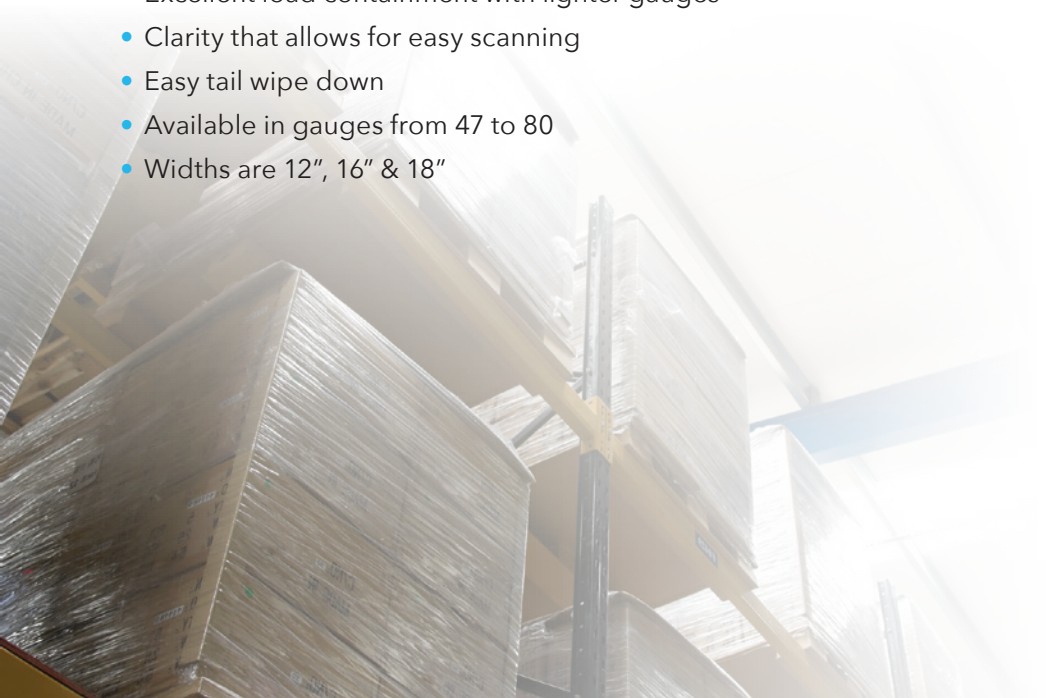
- A strong & tough biaxially oriented pre-stretched film for superior strength
- Edges are re-reinforced to prevent tearing during unwind
- High cling for easy application
- Superior holding force to prevent load shifting during transit
- Less effort to wrap your load securely
- Widths are 14.5" & 17"

PROLITE®

- Cast 5-layer stiff hand wrap designed for easy down gauging and cost savings over thicker standard hand wrap films
- Maintains load containment while reducing film usage
- Easy to apply and easy wipe down of the tail
- Available in gauges from 40 to 60
- Widths available from 14" to 18"

HWI

- Cast 5-layer semi-stiff handwrap
- Designed to provide ultra performance at a cost-saving price
- Excellent load containment with lighter gauges
- Clarity that allows for easy scanning
- Easy tail wipe down
- Available in gauges from 47 to 80
- Widths are 12", 16" & 18"



STANDARD PERFORMANCE MACHINE APPLIED STRETCH FILM

IPG®'s StretchFLEX® standard performance machine applied stretch products offer best-in-class load holding power and excellent resistance to being punctured or torn. These products are available with single-sided cling and two-sided cling.

SF1

- Machine cast film designed for a variety of machine film applications
- SF1 has high pre-stretch while preventing breaks during the wrap cycle and spills during transportation
- Differential cling for reduced ability for load sticking together
- High quality cast film
- Available in gauges from 50 to 120
- Standard widths are 20" and 30"
- Roll diameters from 8" to 10"

SSC

- Machine cast film designed for applications needing more cling and slip to protect the load
- SSC has long term success in working in a variety of tough application due to load configurations or equipment limitations
- Available in gauges from 50 to 120
- Standard widths are 20" and 30"
- Roll diameters from 8" to 10"

SF3

- Tough biaxially oriented blown film for applications requiring excellent cling and puncture resistance
- SF3 is a standard high performance blown film for customers who expect aggressive cling and improved puncture for their demanding loads
- Available in gauges from 50 to 110
- Standard widths are 20" and 30"
- Roll diameters from 8" to 10"



STANDARD PERFORMANCE HAND WRAP STRETCH FILM

IPG®'s StretchFLEX® standard performance hand applied stretch products offer best-in-class load holding power and excellent resistance to being punctured or torn.

HWIV

- Multilayer cast hand wrap
- Great cling and clarity
- Ease of use with great containment
- Quiet release
- Available in gauges from 60 to 90
- Available in widths from 12" to 18"

HWII

- Blown hand wrap
- Aggressive cling
- Excellent load containment
- Great puncture
- Available in gauges from 60 to 120
- Available in widths from 12" to 18"

EXPRESSWRAP™

- Narrow width and extended core cast film
- Available in 80 gauge
- Available in widths 3" & 5" and extended core 20"





CORPORATE PROFILE

Headquartered in Sarasota, Florida, IPG is a global provider of packaging and protective solutions across a diversified set of geographies and end-markets. The Company develops, manufactures, and sells a variety of solutions including paper and film-based pressure-sensitive and water-activated tapes, stretch and shrink films, protective packaging, woven and non-woven products and packaging machinery.

USA

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|----------------------|--------------------|---------------------|
| 1. Ansonia, CT | 9. Carrollton, TX | 15. Menasha, WI |
| 2. Atlanta, GA | 10. Chicago, IL | 16. Midland, NC |
| 3. Bardstown, KY (2) | 11. Corona, CA | 17. Sarasota, FL |
| 5. Blythewood, SC | 12. Danville, VA | 18. Schaumburg, IL |
| 6. Brighton, CO | 13. Everetts, NC | 19. Springfield, OH |
| 7. Carbondale, IL | 14. Marysville, MI | 20. Tremonton, UT |
| 8. Carlstadt, NJ | | |

CANADA

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| 21. Cornwall, ON |
| 22. Montreal, QC |
| 23. Toronto, ON |
| 24. Truro, NS |

EU/UK

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| 25. Flensburg, Germany |
| 26. Porto, Portugal |
| 27. Widnes, UK |

ASIA

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| 28. Chopanki, India |
| 29. Daman, India |
| 30. Dahej, India |
| 31. Jiangmen City, China |
| 32. Karoli, India |

