







Since its foundation in 1991 HIPAC has focused exclusively on one packaging sector, with the aim of becoming "the" specialist for stretch film.

Hipac produces high performance stretch films, tailored to protect any type of industrial good during storage and transportation.





HILAB



HI LAB is the Research and Development centre of the Group.

A state-of-the-art laboratory,
equipped with all the latest generation instruments
for the physical and mechanical analysis of stretch film.



STRETCH FILMS FOR PALLET WRAPPING AND COLD BUNDLING.

HIPAC TRADITIONA	L STRETCH FILMS
WRAPPING MACHINES WITHOUT PRESTRETCH GROUP OR HAND WRAP	WRAPPING MACHINES WITH PRESTRETCH GROUP
310 - BASIC (125%)	888 – POWER (220%)
308 - STANDARD (145%)	777 - POWER PLUS (270%)
388 – STANDARD PLUS (165%)	

HIPAC PREMIUM	STRECHT FILMS		
WRAPPING MACHINES WITHOUT PRESTRETCH GROUP OR HAND WRAP	WRAPPING MACHINES WITH PRESTRETCH GROUP		
FFF DIOID (400%/ 4F)	333 – RIGID POWER (240% - 15 μm)		
555 – RIGID (120% - 15 μm)	111 - SUPER POWER (350%)		
999 EXTRA RIGID - (15% - 8 μm)	112 - SUPER POWER PLUS (> 400%)		
COLLATION® STRETCH	C200 - C400 - C600 SERIES		

Figures refer to 23 μm film (unless otherwise specified)



HI GREEN

Sustainable solutions for the implementation of circular economy and the reduction of the carbon footprint. Our vision for a greener future.



Stretch films made of Post Consumer and/or Post industrial Recycled materials, mechanically recycled from highly selected waste materials of the stretch application.



Stretch films made of Polyethylene obtained from renewable, non-fossil sources.



Biodegradable, non-compostable stretch film, in compliance with ISO 15985 international standard and equivalent.



Available for all the product range, the technology to produce reels without a paper core.

Zero waste materials.

FOR HAND WRAPPING AND WRAPPING MACHINES WITHOUT PRESTRETCH

STANDARD

OOOO STANDARD PLUS

TRADITIONAL

Our traditional films for standard applications



Fully recyclable



Safe transportation



Protection of the goods



BASIC "ENTRY - LEVEL" STRETCH FILM

STRETCH 125% (FOR 23 µm)

FOR GENERAL APPLICATION STRETCH 145% (FOR 23 µm)

STANDARD STRETCH FILM

STANDARD PLUS STRETCH FILM WITH HIGH RESISTANCE TO PERFORATION

STRETCH 195% (FOR 23 μm)

SUGGESTIONS

Regular pallet (A)



310 23 µm 308 20 µm 388 17 µm

Slightly irregular pallet (B)



 $308\ 23\ \mu m$ 388 20 µm

Very irregular pallet (C)



388 23 µm

OUR PREMIUM UPGRADE



HALF THICKNESS vs STANDARD FILM SAME PERFORMANCE

Discover 555 at page 10

USAGE INFORMATION



Rotating table



Robot



Horizontal rotating ring



Hand wrapping



FOR WRAPPING MACHINES WITH **PRESTRETCH**



TRADITIONAL

Our traditional films for power applications



Fully recyclable



Safe transportation



Protection of the goods



POWER FILM FOR "ENTRY - LEVEL" WRAPPING MACHINES WITH MEDIUM PRESTRETCH

PRESTRETCH 240% (FOR 23µm)

POWER PLUS FILM WITH HIGH PRESTRETCHABILITY AND **IMPACT RESISTANCE**

PRESTRETCH 270% (FOR 23µm)

SUGGESTIONS

Regular pallet (A)



888 20 µm 777 17 µm

Slightly irregular pallet (B)



888 23 µm 777 20 µm

Very irregular pallet (C)



777 23 µm

OUR PREMIUM UPGRADE





TO REPLACE POWER FILM SAVING UP TO 25% MATERIAL

Discover 333 at page 12

Discover 111 at page 14

USAGE INFORMATION



Rotating table



Rotating arm



Robot



Horizontal rotating ring



FOR HAND WRAPPING AND FOR WRAPPING MACHINES WITHOUT PRESTRETCH

PREMIUM

Our sustainable solution to replace traditional standard films allowing **thickness downgauging** whilst maintaining the **stability** and the safety **of the load unit**.

The lower film consumption can reduce your packaging costs by up to

40%



Fully recyclable



Easy and confortable hand application



Safe transportation



40% cost saving



Protection of the goods



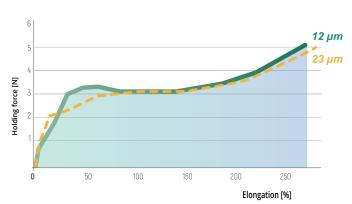
Reduction of CO, emissions

PREMIUM FILM 555 RIGID ALLOWS 50% THICKNESS DOWNGAUGING COMPARED TO TRADITIONAL STANDARD FILMS



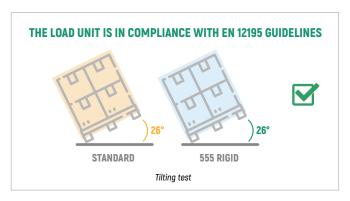
TECHNICAL INFORMATION

— 555 RIGID maintains the same pallet stability as your standard film



SUGGESTIONS





CUSTOMER FIELD TEST - BUILDING MATERIALS

	PRODUCT	THICKNESS	NUMBER OF WRAPS	HOLDING FORCE	HOLDING FORCE DIFFERENCE	FILM CONSUMPTION	FILM SAVING
Rotating table Stretch: 30%	STANDARD Film	23 µm	11	15.3 kg		383 g	
LOAD UNIT TYPE Profile "A", regular Weight: 650 kg	HIPAC 555	12 µm	11	15.7 kg	+ 3%	168 g	56%

USAGE INFORMATION



Rotating table



Robot



Horizontal rotating ring



Hand wrapping

PREMIUM

Our sustainable solution to replace traditional power films allowing **thickness downgauging** whilst maintaining the **stability** and the safety **of the load unit**.

The lower film consumption can reduce your packaging costs by up to Z \(\Omega^0 \rangle \)



Fully recyclable



No changes on the wrapping machine



Safe transportation



30% cost saving

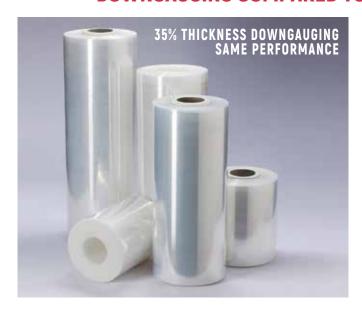


Protection of the goods



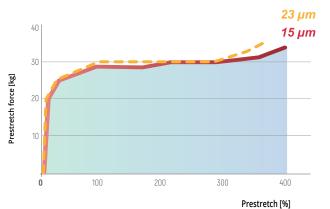
Reduction of CO₂ emissions

PREMIUM FILM 333 RIGID POWER ALLOWS 35% THICKNESS DOWNGAUGING COMPARED TO TRADITIONAL POWER FILMS



TECHNICAL INFORMATION

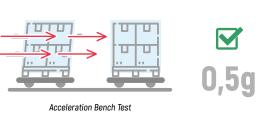
333 RIGID POWER maintains the same pallet stability —
 as your power film



SUGGESTIONS



THE LOAD UNIT IS IN COMPLIANCE WITH EUMOS 40509



CUSTOMER FIELD TEST - BEVERAGE

		PRODUCT	THICKNESS	NUMBER OF WRAPS	HOLDING FORCE	HOLDING FORCE DIFFERENCE	FILM CONSUMPTION	FILM SAVING
C E	Rotating arm Prestretch: 150%	POWER FILM	23 µm	26	11.65 kg		435 g	
	LOAD UNIT TYPE Profile "A", regular Weight: 750 kg	HIPAC 333	15 µm	26	14.86 kg	+ 28%	263 g	40%

USAGE INFORMATION



Rotating table



Rotating arm



Robot



Horizontal rotating ring

SUPER POWER

FOR AUTOMATIC WRAPPING MACHINES WITH HIGH PRODUCTIVITY AND HIGH PRESTRETCH

- UP TO 400% -

PREMIUM

Our sustainable solution to replace traditional super power films allowing **thickness downgauging** whilst maintaining the **stability** and the safety **of the load unit**.

The lower film consumption can reduce your packaging costs by up to



Fully recyclable



Efficient and reliable



Safe transportation



20% cost saving

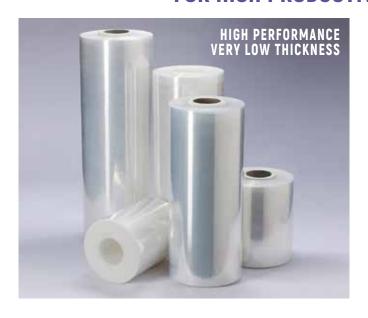


Protection of the goods

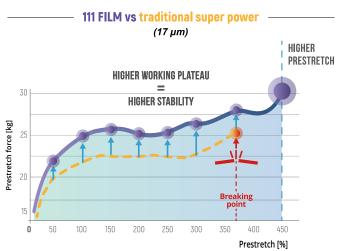


Reduction of CO, emissions

PREMIUM FILM 111 SUPER POWER IS IDEAL FOR HIGH PRODUCTIVITY APPLICATIONS



TECHNICAL INFORMATION



SUGGESTIONS



Beverage 17 µm

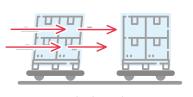


Bags 15 µm



Tissue 12 µm

THE LOAD UNIT IS IN COMPLIANCE WITH EUMOS 40509





Acceleration Bench Test

CUSTOMER FIELD TEST - BEVERAGE

	PRODUCT	THICKNESS	NUMBER OF WRAPS	HOLDING FORCE	HOLDING FORCE DIFFERENCE	FILM CONSUMPTION	FILM SAVING
Automatic Rotating Ring Prestretch: 250%	SUPER POWER FILM	23 µm	25	9.73 kg		377 g	
LOAD UNIT TYPE Profile "A", regular Weight: 900 kg	HIPAC 111	17 µm	25	10.22 kg	+ 5%	258 g	32%

USAGE INFORMATION



Rotating table



Rotating arm



Rotating ring



Robot



Horizontal rotating ring

SUPER POWER PLUS

FOR AUTOMATIC WRAPPING MACHINES WITH VERY HIGH PRESTRETCH

PREMIUM

- OVER 400% -

Our sustainable solution to replace traditional Super Power films, specially designed to achieve **extremely high prestretch** in **very low thickness**.

The lower film consumption can reduce your packaging costs by up to 25%



Fully recyclable



Extremely high prestretch



Safe transportation



25% cost saving



Protection of the goods



Reduction of CO, emissions

PREMIUM 112 IS IDEAL FOR EXTREMELY HIGH PRESTRETCH APPLICATIONS

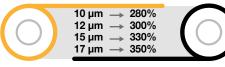


TECHNICAL INFORMATION 112 FILM vs traditional super power (17 μm) HIGHER PRESTRETCH Point Prestretch [%]

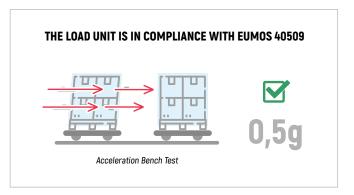
SUGGESTIONS

Try our 112 in very low thickness

GUARANTEED PRESTRETCH



112 SUPER POWER PLUS



CUSTOMER FIELD TEST - GOODS IN BOXES

	PRODUCT	THICKNESS	NUMBER OF WRAPS	HOLDING FORCE	HOLDING FORCE DIFFERENCE	FILM CONSUMPTION	FILM SAVING
Robot Adjustable prestretch Up to: 500%	SUPER POWER FILM	15 μm 230% PS	19	14.46 kg		155 g	
LOAD UNIT TYPE Profile "A", regular Weight: 500 kg	HIPAC 112	12 µm 300% PS	19	13.95 kg	=	105 g	32%

USAGE INFORMATION



Rotating table



Rotating arm



Rotating ring



Robot



FOR HAND WRAPPING AND FOR WRAPPING MACHINES WITHOUT PRESTRETCH

PREMIUM

Gives the load unit excellent stability together with material saving and environmental protection.

999 is available in very low thickness (from 5 µm).





Fully recyclable



Easy and confortable hand application



Safe transportation



Very low thickness



Protection of the goods

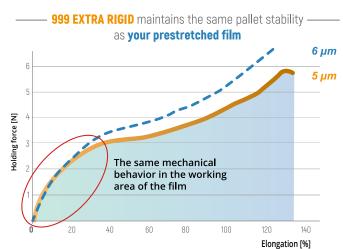


Reduction of CO₂ emissions

PREMIUM FILM 999 PRESTRETCHED IS IDEAL FOR PICKING IN LOGISTICS CENTRES



TECHNICAL INFORMATION



SUGGESTIONS

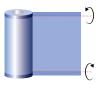
999 EXTRA RIGID



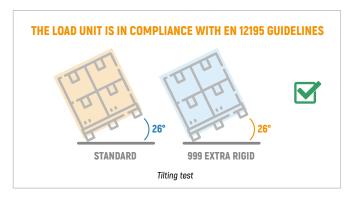
Z-shaped edges for easy unwinding



Antishock reels



Reinforced edges for more resistance



CUSTOMER FIELD TEST - PICKING

		THICKNESS	NUMBER OF WRAPS	HOLDING FORCE	HOLDING FORCE DIFFERENCE	FILM CONSUMPTION	FILM SAVING
Hand wrapping	PRE- STRETCHED	6 µm	12	9.00 kg		94 g	
LOAD UNIT TYPE Profile "A", regular Weight: 400 kg	HIPAC 999	5 µm	12	8.9 kg	=	76 g	19%

USAGE INFORMATION



Rotating table



Robot



Hand wrapping



OUR SUSTAINABLE ALTERNATIVE TO SHRINK FILMS FOR MULTIPACK INDUSTRY APPLICATIONS

The Collation Stretch family incorporates Hipac solutions for the cold bundling machines working with stretch film.

The lower film and energy consumption can reduce your packaging costs by up to

40%



Fully recyclable



Brand recognition



Elimination of the heating tunnel



50% material saving



Improved pallet stability



Reduction of CO, emissions

COLLATION STRETCH ALLOWS 50% THICKNESS DOWNGAUGING AND 90% ENERGY SAVING (NO HEAT TUNNEL)

CASE STUDIES

WATER

DIAPERS



FILM - C202TA500N12

SHRINK FILM COLLATION STRETCH

MATERIAL SAVING

21 g 11 g **47**%



FILM - C605TA580N15

SHRINK FILM COLLATION STRETCH

14 g

MATERIAL SAVING

53%

30 g

FLOUR

VITAMINS



FILM - C201TA500N9

SHRINK FILM COLLATION STRETCH

MATERIAL SAVING

30 g 12 g **60%**



FILM - C606TA70N40

SHRINK FILM COLLATION STRETCH

MATERIAL SAVING

1 g **33**%

1,5 g

33%

PRODUCT FAMILY

C200 SERIES

For horizontal rotating rings without pre-stretch

width: 200, 250, 330, 375, 450, 500 mm thickness: from 7 to 15 µm



C200 - Rotating Ring

C400 SERIES

For wrapping machines with pre-stretch

width: 250, 450, 500, 650, 750 mm **thickness:** from 9 to 17 μm



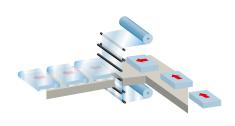
C400 - Rotating Goods

C600 SERIES

For stretch bundler machines

width: tailor made solutions depending on the pack

thickness: from 12 to 35 μm



C600 - Bundler





Fully recyclable



Circular economy



Reduction of CO₂ emissions



Renewable sources



Reduction of waste material



No microplastics



No exploitation of fossil sources



Zero waste

Circular economy

CONAl award of excellence

555 12 μm netroll REC 60 60% CO₂ emissions reduction 80% water consumption reduction



A SECOND LIFE FOR STRETCH FILM!

STRETCH FILMS MADE OF POST CONSUMER AND/OR POST INDUSTRIAL RECYCLED RAW MATERIALS, MECHANICALLY RECYCLED FROM HIGHLY SELECTED WASTE MATERIALS OF THE STRETCH APPLICATION.



REC 30:

Stretch film made of 30% post consumer recycled plastic (PCR), certified with the green labels "Plastic Second Life mix-eco" and "Aenor"

REC 60:

Stretch film made of 60% post consumer recycled plastic (PCR), certified with the green labels "Plastic Second Life from separate waste collection" and "Aenor"

REX 30:

Stretch film made of 30% post industrial recycled plastic (PIR), certified with the green labels "Plastic Second Life mix-eco" and "Aenor"

REX 60:

Stretch film made of 60% post industrial recycled plastic (PIR), certified with the green labels "Plastic Second Life mix-eco" and "Aenor"

REC ISCC:

Stretch film made of Ildpe obtained from the industrial treatment of waste materials, in compliance with ISCC plus international standard.











Non-exploitation of fossil sources

CO, emissions reduction



STRETCH FILMS MADE OF POLYETHYLENE OBTAINED FROM RENEWABLE, NON - FOSSIL SOURCES.

REN 51:

Stretch film made of renewable Ildpe obtained from the scraps of sugar cane production, certified with the green label "I'm green".



Stretch film made of renewable Ildpe obtained from the scraps of the wood industry and inedible vegetal oils, in compliance with ISCC plus international standard.







No microplastics

Reduction of waste material



BIODEGRADABLE, NON - COMPOSTABLE STRETCH FILM, IN COMPLIANCE WITH ISO 15985 INTERNATIONAL STANDARD AND EQUIVALENT.

RES:

The degradation of stretch film is reduced to a **few years**.

The shelf life of biodegradable film does not change, as the degradation only starts upon disposal. The film remains **100% recyclable**.

HIPAC green solutions are available in **NETROLL** version to enhance sustainability.

CONTACT US FOR MORE INFORMATION ABOUT PRODUCT SPECIFICATIONS AND THEIR AVAILABILITY.

STRETCH FILM WITH REINFORCED EDGES, FOR GREATER STRENGTH DURING APPLICATION.

THE TECHNOLOGY
TO FURTHER REDUCE
THE THICKNESS
OF THE FILM.





Fully recyclable



Efficient and reliable



Safe transportation

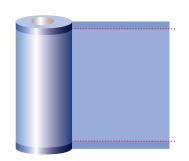


Protection of the goods

FILMS WITH REINFORCED EDGES ARE AVAILABLE FOR HAND AND MACHINE FILMS



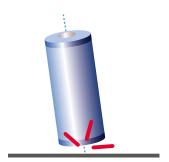
ADVANTAGES



Double thickness Double resistance



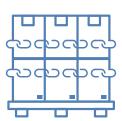
Z-shaped edges for easy unwinding



Protection of the reels from accidental damage



Increased tearing resistance in transversal direction



Roping effect for increased load stability



Higher quality consistency in hand application and on wrapping machines

REDUCED CONSUMPTION

Reinforced edge allows a strong reduction of the thickness of the film in application

SUSTAINABLE

USER FRIENDLY

Reduction in CO₂ emissions

Reels are lighter, easier to handle and safe







www.hipac.com

CONTACT US FOR MORE INFORMATION ABOUT PRODUCT SPECIFICATIONS AND THEIR AVAILABILITY.



ECOFRIENDLY SOLUTION WITHOUT PAPER CORE

THE INNOVATIVE TECHNOLOGY TO "ZERO" YOUR WASTE



Fully recyclable



Light and comfortable



Economic



Elimination of the paper core



Reduction of CO₂ emissions



Water footprint reduction

NETROLL TECHNOLOGY IS AVAILABLE FOR HAND AND MACHINE FILMS



NO CORE, SAME PERFORMANCE



Use it as a traditional reel with the new dispenser **HANDYNET**.



Use it as a traditional reel as it fits all the wrapping machines.

ADVANTAGES

USER FRIENDLY

Same performance as core films

Reels are lighter, easy to handle and safe

ECONOMIC

The reel is cheaper

No more green taxes on the paper core

No disposal costs on the paper core

Optimization of logistics transport costs

SUSTAINABLE

Reduction in CO emissions

Reduction in energy consumption

Reduction in water footprint













THE NEW DISPENSER FOR HAND FILM

HIPAC HAS DEVELOPED
THE NEW DISPENSER FOR HAND NETROLL FILM,
450 AND 500 MM WIDTH.

A BRAND NEW SOLUTION TO WRAP YOUR PALLETS IN A SAFER AND EASIER WAY!





Fully recyclable



Easy and confortable hand application



Reuse Zero waste



Customized



Reduction of CO₂ emissions



Light and comfortable

THE DISPENSER IS MADE OF A SPECIAL POLYOLEFIN PE/PP MIX, TO GIVE IT LIGHTNESS AND SHOCK RESISTANCE AT THE SAME TIME. IT IS FLEXIBLE AND ADJUSTABLE TO THE HOLE OF THE REELS. ITS DUMBBELL SHAPE AND THE ROTATION OF THE HANDLES GUARANTEE A SMOOTH UNWINDING OF THE REEL.



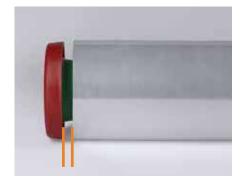
LIGHT AND FLEXIBILE



ANTISHOCK



Its peculiar shape has been especially developed to **avoid the damage of the reels** both during the wrapping process and in the case the reel is mishandled or falls.



EASY

Light and **comfortable**, the dispenser can be used without gloves.

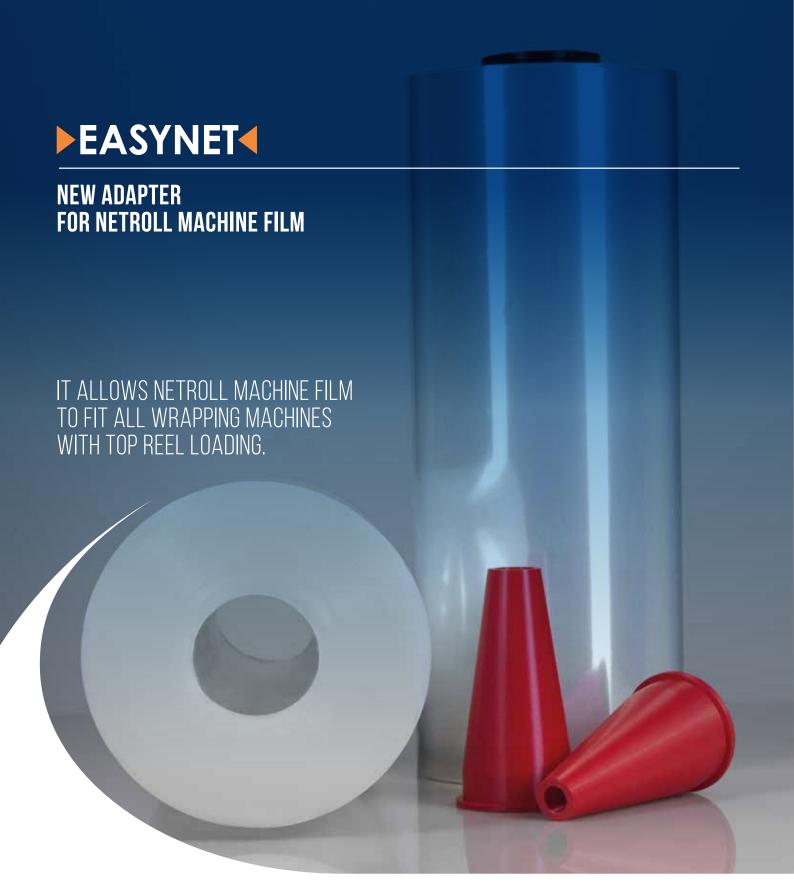
CUSTOMIZED

customized with the colour and logo of your company.

Patent ID: 102020000001414

SUSTAINABLE

By eliminating paper cores, the CO₂ emissions for each pallet of stretch film is reduced **by 98 kg**, equivalent to a **500 km trip with a midsized car.**





Fully recyclable



Universal



Customized

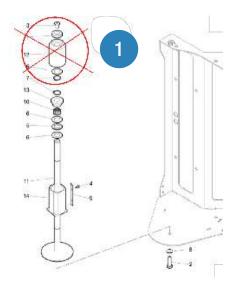


Ecological





HOW TO USE EASYNET







Unscrew and remove the reel holder at the upper section of the spool carriage.



Put the **NETROLL** reel on the machine, as usual.



Fit **EASYNET** adapter on top.

UNIVERSAL

It allows **NETROLL** machine film to fit all wrapping machines

CUSTOMIZED

With your own colour and brand.

Made of bio material, obtained from renewable sources.



PRODUCT DATA SHEET



LLDPE CAST CO-EXTRUDED STRETCH FILM FOR INDUSTRIAL PACKAGING.

	QUALITY		O USE iameter: 50 mm		CHINE USE re diameter: 76 mm	BUNDLING internal core diameter: 38-50-76 mm		
		THICKNESS [µm]	WIDTH [mm]	THICKNESS [µm]	WIDTH [mm]	THICKNESS [µm]	WIDTH [mm]	
T R	310			20-35	500			
A D I T I O N	308	15-50	450-500	15-50	250-450-500-750-1000	15-50	70-100-125-150-250	
	388	15-50	450-500	15-50	250-450-500-750-1000	15-50	70-100-125-150-250	
	888			12-35	250-450-500-750-1000	12-35	70-100-125-150-250	
A L	777			12-35	250-450-500-750-1000	12-35	70-100-125-150-250	
	111			10-35	250-450-500-750-1000	10-35	70-100-125-150-250	
P R	112			10-23	500-750-1000	10-23	70-100-125-150-250	
E M I	333			9-23	250-450-500-750-1000	9-23	70-100-125-150-250	
U M	555	7-23	450-500	7-23	250-450-500-750-1000	7-23	70-100-125-150-250	
	999	5-10	380-420	7-10	420			
C O L L A T I O N	C200 SERIES			7-15	200-250-330-375-450-500			
	C400 SERIES			9-17	250-450-500650-750			
	C600 SERIES			12-35	TAILOR MADE SOLUTIONS			

STANDARD PRODUCTION.
CONTACT US FOR SPECIAL REQUEST.

 $\textbf{NetRoll HOLE diameter:} \ 50 \ \text{mm for hand film;} \ 74 \ \text{mm for machine film.}$

OPTIONAL FEATURES

1 Colours

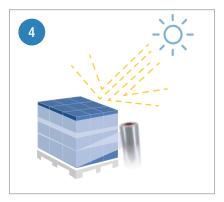


2 **Printed film** up to 3 colours, with eco-friendly water-based inks





Antistatic film: reduction of electrostatic charges and dust on the pallet.



Anti UV film: protection of the film against UV rays (6-12 months).



Low Temperature film Lt: best performance in extreme conditions (-25°C).



Anticorrosive (VCI) film: protection of steel products from oxidation.



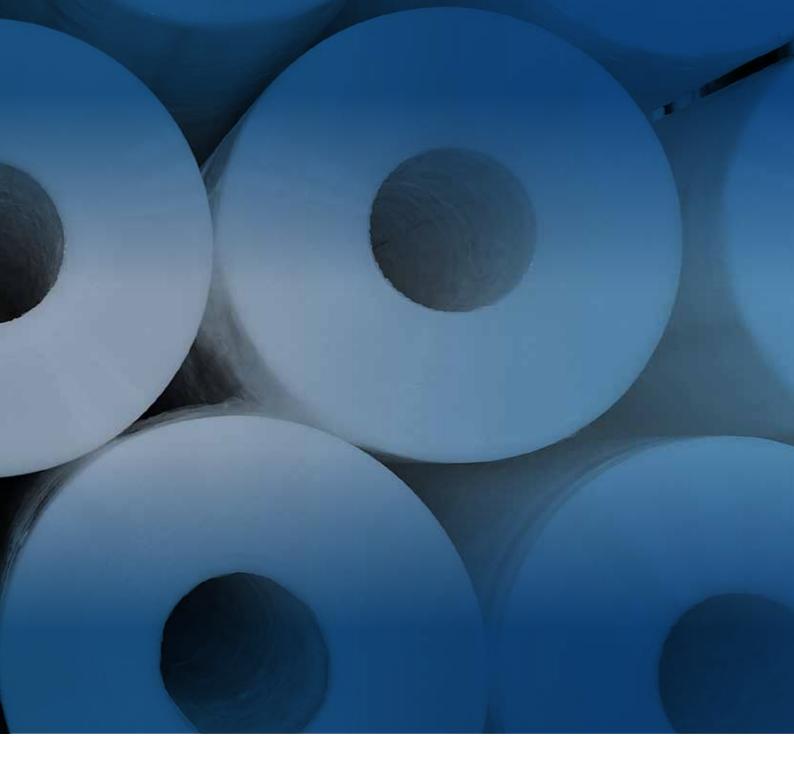
HIPAC Pure: antimicrobial film, protection against microorganisms, bacteria, fungi.



HIPAC QUALITY

Targeting a specific sector of the global packaging market and making high-quality products is paramount to HIPAC.

To this end, **HIPAC Group** has decided to implement an integrated organizational model, approved and certified according to the internationally recognized standards **UNI EN ISO 9001, 14001, 45001 and 50001**.





ISO 9001 "Quality Management System"

requires that all the organizational, commercial and technical activities which have influence on quality are planned, controlled and documented.



ISO 14001 "Environmental Management System" guarantees the control of all the environmental aspects of both product and process, in compliance with the existing legislation.



ISO 45001 "Occupational Health and Safety"

allows Hipac to identify and control risks related to health and safety at work, reducing the number of potential accidents, in compliance with the existing legislation.



ISO 50001 "Energy Management System"

guarantees Hipac ethical commitment to energy saving and improvements in energy efficiency.



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