



THE MANULI NEXT GENERATION STRETCH HOOD FOR PALLETS AND GOODS UNITIZATION

Manulock® is a family of multilayer products, that guarantees the highest reliability for the protection of pallets and goods unitisation during transportation, transit and storage.

Thanks to its sophisticated raw materials combination, special structure and the manuli stretch technology, it offers several unique advantages, including great elasticity and extensibility.

ADVANTAGES & APPLICATIONS

- "Tailor made" solutions for all applications
- High pallets output
- Processable under all temperature conditions
- Excellent for packing heat sensitive products
- Suitable on all machines, easy to use for the best running conditions
- Optimal storing in different conditions, avoiding satic charges and algae formation
- Easiness in the bags removal (for bagged goods)
- Anti theft security, high transparency, perfect visualisation of pallet content (such as goods packed, bar code etc.)
- Superior puncture and impact resistance for excellent compact pallets
- Neat appearance, complete & best protection against dust, moisture, dirt,
- Superior load stability and holding force, adatable to tailor-made applications
- One size of Manulock is suitable for different pallet formats
- Low energy usage and no heating eliminate fire or explosion risk (insurance costs minimising) and unnecessary sticking on packed goods



MANULOCK® PORTFOLIO AND MAIN DATAS

TYPE	MAIN CONDITIONS OF APPLICATION	TYPICAL SECTOR OF APPLICATION	THICKNESS (MY)	INITIAL STRETCH*	RESIDUAL STRETCH (% ON PACKAGED UNIT*)	"SKIN PACK" PERFORMANCE	STRETCH	ELASTICITY	WELDEABILITY	HOLDING FORCE*	TRANSPARENCY	PUNCTURE	UV PROTECTION/ ABSORPTION
MANULOCK® HC	STANDARD & SOFISTICATED	Building products, chemicals and other bagged products, general	80-150	70%	35%	YES	GOOD	GOOD	EXCELLENT	6,0	OPTIMAL	GOOD	YES
MANULOCK® HD	STANDARD & SOFISTICATED	Bricks & cement, chemicals and other bagged products, "white goods", general	35-150	80%	50%	YES	HIGH	GOOD	EXCELLENT	5,5	OPTIMAL	GOOD	YES
MANULOCK® HL	VERY HIGH STRETCH, SPECIAL APPLICATIONS	"Anti holing" film, general applications on very high stretch	60-150	120%	85%	OPTIMAL	HIGH	HIGH	EXCELLENT	5,0	OPTIMAL	HIGH	YES
MANULOCK® MD	"EVA FREE" VERY SPECIAL APPLICATIONS	Composts, garden products, bricks, cardboard	40-150	80%	40%	OPTIMAL	HIGH	GOOD	EXCELLENT	5,6	OPTIMAL	GOOD	YES
MANULOCK® HCN	STIFF AND VERY HIGH BACKSTRETCH	Bagged goods, containers and cans, extra high holding force required	60-150	70%	35%	YES	GOOD	GOOD	EXCELLENT	7,5	OPTIMAL	GOOD	YES

Note: * average datas at standard conditions, not oversized pallets and 100 my thickness
Available on request: colour/markings, medium & high perforation



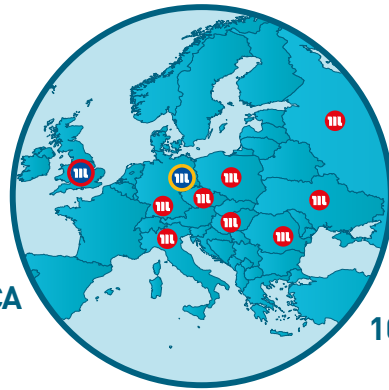
THE MANULI NEXT GENERATION STRETCH HOOD FOR PALLETS AND GOODS UNITIZATION

Manuli Stretch is the pioneering Company that first developed Stretch Film in Europe, it now manufactures and distributes a wide range of superior packaging products, including Pallet Wrap, Stretch Hood, Food Wrap Films, Cast Polypropylene Films and Agricultural Films for the best tailor-made solutions in over 60 countries.

MANULI® STRETCH BUSINESS LOCATIONS



LATIN AMERICA
8 Locations



EUROPE
10 Locations



HQ Location and Manufacturing Site
(Schkopau/Leipzig Germany)



Manufacturing Sites
(Including Sales & Distribution)



Distribution Branches

Manufacturing locations:

Schkopau-Leipzig/Germany, Headquarter • / • / •
Buenos Aires/Argentina • •, Curitiba/Brasil • •

Europe distribution:

Affalterbach-Stuttgart/Germany •, Milan/Italy •,
Wroclaw/Poland •, Moscow/Russia •, Prague/ Czech
Rep. •, Budapest/Hungary •, Kiev/Ukraine •,
Bucharest/Romania •, Corsham-Bristol/U.K • •

Latin America distribution:

Buenos Aires/Argentina • •, Curitiba/Brasil • •,
Manaus •, Porto Alegre •, Londrina •, Sao Paulo •,
Goiania • /Brasil, Santiago/Chile •

MANULI STRETCH PRODUCT RANGE

Manustif® and Special Stretch Films
Film for Manual Application



Manulock® Multilayer
Special Stretch Hood



Manustif®, Melite-Plus, ATX plus
& other automatic Power Stretch Films



Manucast® Special
CPP films



Agriflex®, Agrostif
Super Agricultural Films



Manfood® PE
Special Food Wrap Films



GROUP'S MAIN MANUFACTURING SITE & HEADQUARTER

