WHERE TOMORROW UNFOLDS

ENGINEERED SOLUTIONS
COLLABORATIVE INNOVATION
OUTSTANDING PERFORMANCE

1974–2024

ITASA
WHERE TOMORROW UNFOLDS

a Mativ Brand

2024

PERFORMANCE BEYOND WHAT'S VISIBLE.

Itasa Release liners for composites act as a carrier sheet for the impregnation of fibers by a thermoset resin for the manufacturing of a pre-impregnated material.

Composites is the most demanding end-use in terms of quality. Depending on the application, fibres can be unidirectional or bi directional fabrics. They are made of diverse materials like carbon, glass, HDPE, aramid fibers, impregnated with hot melt epoxy resins among others. Itasa 1 side siliconized or 2 side differential release liners are used in the manufacturing process of prepregs for various industries such as sporting goods, aerospace, automotive, ballistic protection equipment, marine, windmill blades and many other industrial applications.

ITASA MANUFACTURING ASSETS

1989	1997	2007	2011	2018	2023	12 SLITTERS/ REWINDERS
M2 (Spain)	**M3 (Spain)**	**M4 (Spain)**	**M5 (Spain)**	**M7 (Mexico)**	**M8 (Mexico)**	
Pagendarm	**BMB**	**KROENERT-BMB**	**KROENERT-BMB**	**Bobst**	**Polytype**	
Solvent-free	Solvent-free	Solvent-free	Solvent-free	Solvent-free	Solvent-free	
Paper	Paper	Paper & Film	Paper & Film	Paper & Film	Paper & Film	Paper & Film
1,650mm	1,650mm	2,300mm	1,650mm	1,700mm	1,700mm	12mm - 2,300mm
350m/min	500m/min	800m/min	1,000m/min	1,000m/min	1,000m/min	
		In-line Flexo printing		In-line Flexo printing		Off-line Flexo printer

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I·Composites

Itasa 1 side siliconized or 2 side **differential release liners** are used in the manufacturing process of thermoset prepegs.

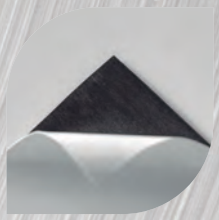
TAILOR-MADE AND SPECIALIZED RELEASE LINER SOLUTIONS

Excellent control of release differential.
Perfect resin transfer after impregnation and prevention of resin pick off.

Careful paper & film substrate selection, even caliper.
Uniform resin coating weight and prevention from wrinkling and creasing.

Excellent silicone curing rate.
Perfect release properties and prevention of prepreg contamination.

Optimum dimensional stability and lay-flat properties.
Even coating weight and prevention of prepreg curling.



PRODUCTS	SILICONE COATING		RANGE	GSM	COLOR
	1 SIDE	2 SIDES	MIN - MAX	RANGE	
GLASSINE	✓	✓	12 - 2.300	60-160	All industrial colors are available
BCK (Barrier Coated Kraft)	✓	✓	12 - 2.300	120-135	
CLAY COATED KRAFT (CCK)	✓	✓	12 - 2.300	60-120	
MACHINE GLAZED BLEACHED KRAFT (MGBK)	✓		12 - 2.300	70-100	
MACHINE GLAZED UNBLEACHED KRAFT (MGUK)	✓		12 - 2.300	70-100	
SCK	✓	✓	12 - 2.300	65-163	
LATEX SATURATED	✓	✓	12 - 2.300	75-105	
POLY COATED KRAFT (PCK)	✓	✓	12 - 2.300	90-140	blanco/natural
PET µm	✓	✓	12 - 2.300	12-75	Transparent
PET PCR FUTURA LINER µm	✓	✓	12 - 2.300	12-75	

Composites Aerospace

SAFER, STRONGER & LIGHTER MATERIALS.

Versatile liners

Optimum performance

Adapted to each process

Today's aerospace industry faces two significant challenges - rising fuel costs and sustainability. Itasa is at the forefront, delivering advanced release liner solutions. We make your process more cost-efficient and sustainable, without affecting the mechanical properties of the composite materials.

AEROSPACE								
PRODUCTS	WEIGHT	SIDES	SILICONE FORMULATION	COLOR	PPG	HLU	AFP	ATL
UNBLEACHED COATED KRAFT	90	2	Medium/High	Natural		✓	✓	✓
LATEX SATURATED	105	2	Medium/High		✓	✓	✓	✓
GLASSINE	90	2	Medium/High	All industrial colors are available	✓	✓	✓	
GLASSINE	120	2	Medium/High		✓	✓	✓	✓

PPG = Prepregging / HLU = Hand lay up / ATL = Automatic tape laying / AFP = Automatic fibre placement

These are our most standard combinations. M.O.Q may be requested for less standard combinations. Release levels on either side can be adjusted to your specific needs.

Composites Automotive

LIGHTER, SAFER & MORE EFFICIENT.

High compatibility with UD or fabrics

Designed for inline or offline filming and prepregging

Selected thickness to facilitate usage

High-performance fibers combined in a matrix material provide enhanced properties compared with the individual materials by themselves. Itasa creates tailor-made release liner solutions that provide stability and resistance to extreme temperature variation requirements.

Composites Sports

HIGH STRENGTH TO WEIGHT RATIO THAT ENHANCES PERFORMANCE.

The main reason for the use of composites in sporting goods is their low weight and high resistance. Itasa manufactures release liners designed for inline or offline filming and prepregging.

AUTOMOTIVE / SPORTS							
PRODUCTS	WEIGHT	SIDES	SILICONE FORMULATION	COLOR	PPG	RE-USE	HLU
GLASSINE	62	1	Medium	All industrial colors are available	✓		
GLASSINE	80	1	Medium		✓		
GLASSINE	80	2	Medium		✓		✓
GLASSINE	90	1	Medium		✓	✓	
GLASSINE	90	2	Medium		✓	✓	✓
UNBLEACHED COATED KRAFT	90	2	Medium	Natural	✓	✓	✓
CCK*	120	2	Medium	White	✓	✓	✓
PCK	140	2	Medium	Natural / white	✓		✓
BCK (Barrier Coated Kraft)	120	2	Medium			✓	

PPG = Prepregging / HLU = Hand lay up / * Excellent dimensional stability in humid environments

These are our most standard combinations. M.O.Q may be requested for less standard combinations. Release levels on either side can be adjusted to your specific needs.

Composites Life protection

Composites Marine

LIFE PROTECTION EQUIPMENTS WITH MULTI-LAYER COMPOSITES.

INNOVATIVE CAPABILITY TO DESIGN AND MANUFACTURE.

Process liners designed specifically for life protection and/or marine

Multipurpose versatile release liner

Adapted to the new fiber generation

Life protection involves body, head, eyes and vehicle protection against projectiles of various shapes, sizes, and impact velocities. Advanced composite ballistic panels offer a number of benefits over traditional materials.

Minimal weight and maximum stiffness are crucially important in racing boats design, to sail with maximal speed and resistance to the impact of waves. ITASA builds up solutions to guarantee safety, stability and resistance to temperature variations in the handling of composites for boat hulls, racing boats or yachts sails.

BALLISTIC PROTECTION / MARINE						
PRODUCTS	WEIGHT	SIDES	SILICONE FORMULATION	COLOR	PRESS	CONTINUOUS
GLASSINE	62	1 or 2	Medium	All industrial colors are available		✓
GLASSINE	80	1 or 2	Medium			✓
GLASSINE	120	2	Easy		✓	
GLASSINE	140	2	Easy		✓	

PPG = Prepregging / HLU = Hand lay up

These are our most standard combinations. M.O.Q may be requested for less standard combinations. Release levels on either side can be adjusted to your specific needs.

Composites Wind Energy

ROBUST SOLUTIONS FOR EXTREME PROCESS CONDITIONS.

Selected thickness to facilitate usage

Designed for inline or offline filming and prepregging

Adapted to the new fiber generation

The reduction of wind turbine blade mass due to improved stiffness, strength, and fatigue resistance, establishes composites as the material of the future in wind energy. Itasa offers release liners for advanced composites that stand up to extreme process, heat and thaw conditions.

WIND ENERGY						
PRODUCTS	WEIGHT	SIDES	SILICONE FORMULATION	COLOR	PPG	RE-USE
UNBLEACHED COATED KRAFT	90	1 or 2	Easy/Medium	Natural	✓	✓
GLASSINE	80	1 or 2	Easy/Medium	All industrial colors are available	✓	
GLASSINE	90	1 or 2	Easy/Medium		✓	✓
GLASSINE	120	1 or 2	Easy/Medium		✓	✓

PPG = Prepregging

These are our most standard combinations. M.O.Q may be requested for less standard combinations. Release levels on either side can be adjusted to your specific needs.

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RELEASE LINERS ARE BETTER WHEN POWERED BY ITASA.

Itasa, a Mativ brand, is a global leading supplier of release liners.

With fifty years of experience, we provide solutions to various industries and end-uses around the world to meet the needs of the rapidly changing global market.

At Itasa, we strive for zero accidents, defects, delays, emissions and waste.

Together with our customers, we are creating new solutions while reshaping the future of the release liner industry.

Itasa is a part of Mativ, a global leader in specialty materials.

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