



▶▶ PROtect tapes[®]
2018



DONGFENG
RACE TEAM

PROtect tapes is Technical Supplier
to Dongfeng Race Team

"PROtect tapes range is a one stop shop for all chafe/impact protection areas required around the boat, whether on deck, rig or below deck. It's tough as old boots, so I know it's capable of being able to stand up to the rigours of the Volvo Ocean Race.....and keeps my job list down when the boat arrives!"

[Graham Turrell, Boat Captain Dongfeng Race Team]



FUSING	PFB500 PFG500 PFW500 PFT500	Self fusing	NEW
NIGHT	PNP257 PNP557	photoluminescent	
NO LEAK	PNR220	airtightening & waterproof	
SEAL	PEW190 PEC190 PEG190	removable	
SHIELD	PSC190 PSC225	high performance clear	
SHOCK	PSX250 PSX500	extreme impact resistance	
SKID	PAP060	photoluminescent	
WRAP	PWW800	white	

Benoit Stichelbaut / Dongfeng Race Team

PROtect tapes®

Explorers of innovation

PROtect tapes are a broad range of protective tapes and solutions for dinghies, racing, cruising and super yachts.

Our products address serious chafing, abrasion, scratches, damages, ageing and wear.

The critical factor to success has been the combination of unique technical film experience from polymer and adhesive specialists and sailing expertise of professional sailors.

They are effective solutions for the owners, captains, mast and boat builders, shore teams, riggers and sailmakers looking for superior and competitive product to enhance performances and ultimately win the race or simply reliability and have a safer cruising.

The years since **PROtect tapes** was established in 2008 have been extraordinary.

We have grown from a tiny startup to become a leading company focused on the niche area of tapes and solutions for the yachting industry.

Today, it is young, vigorous, brash, ambitious, full of ideas and dreams due to smart people, unique equipment, steady hands and smiling faces.

We use our bikes as much as we can, drink squeezed orange juice and gossip about life.

We are **PROtect tapes**.



Excellence in safety,
health and
environmental
performance



Focus on customer
satisfaction, total
quality and reliability



Continuous
improvement to
become a cost
effective producer
of high quality
products

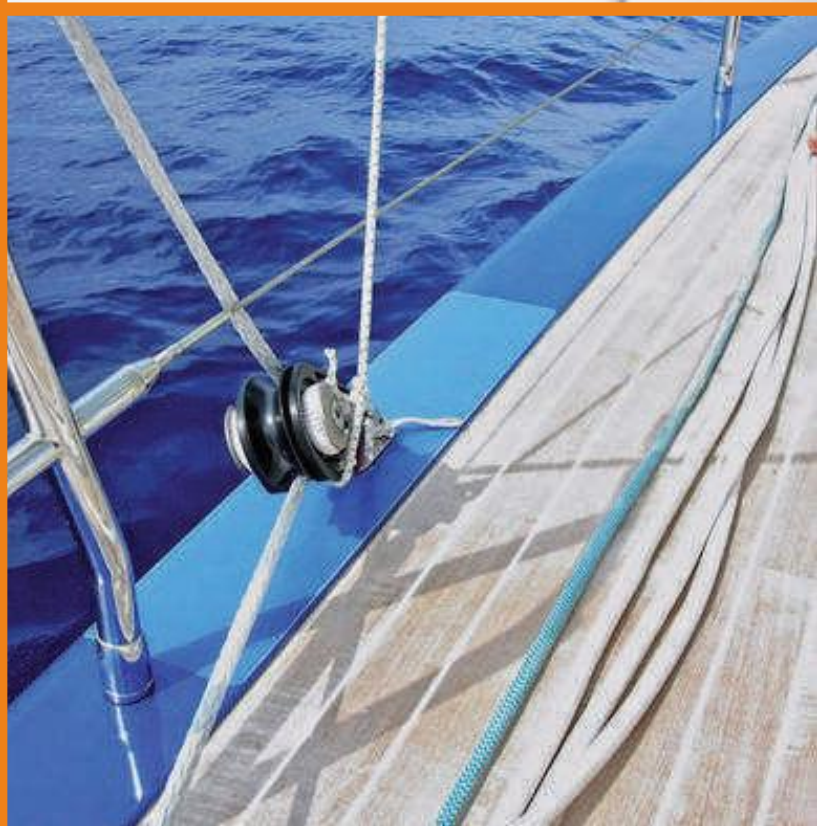
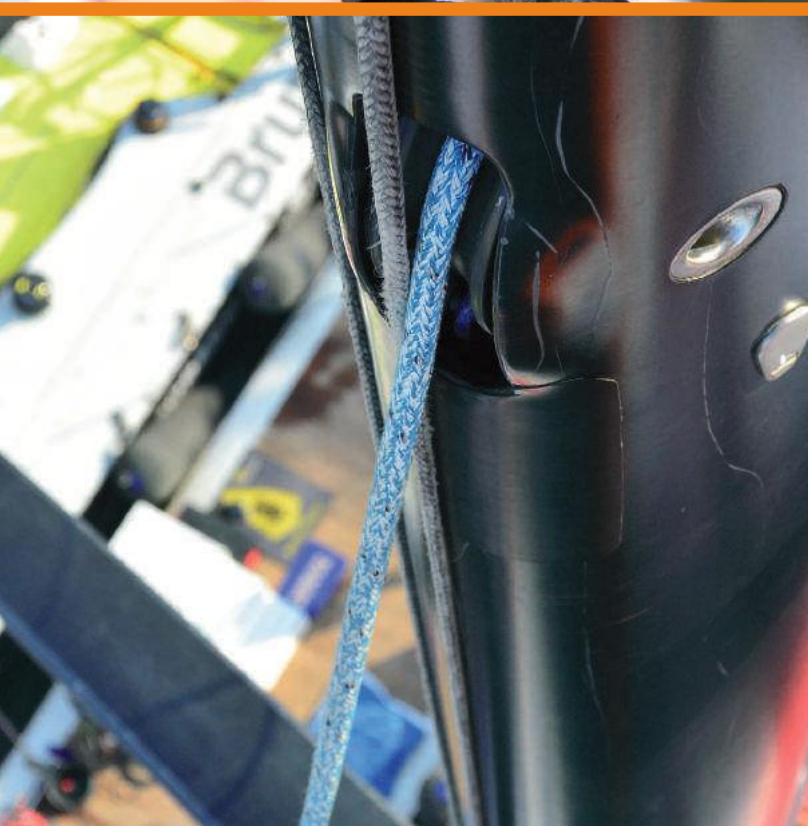


Encouragement
of innovation,
entrepreneurship
and reward
for achievement



Empowerment of
employees to create
real value for our
customers and
ourselves

DO NOT USE PROtect tapes for HUMAN SUSPENSION





CHAFE is a pressure sensitive tape using UHMWPE (ultra high molecular weight polyethylene) film with a very strong acrylic adhesive. It has high resistance to abrasion (15 times more resistant than carbon steel), self-lubricating properties and extremely low coefficient of friction. The result is a very tough material, with the highest impact strength of any thermoplastic presently made. The product is available in black and translucent and various standard widths. Custom slitting, cutting and die cutting on demand.

Typical applications:

- dragging lines over the deck
- mooring ropes area
- mast (front and shave box) and leading edge spreaders
- under the boom to protect it from spinnaker/gennaker sheet
- pad eyes on the deck for blocks and hardware
- daggerboards and bearings
- stanchions
- battens and sails

Part code	Color	Adhesive	Thickness		Width		Length	
			mm	mil	mm	in	m	ft
PCB076	Black	Acrylic w/liner	0.076	3	25 51 152 min 7 max 660	1 2 6 min 1/4 max 26	16.5	54
PCB125			0.125	5				
PCB250			0.250	10				
PCB500			0.500	20				
PCB1000			1.000	40	min 6.35 max 610	min 1/4 max 24	30.5	100
PCB1570			1.570	60				
PCB2360			2.360	93				
PCB3170			3.170	120				
PCT076	Translucent		0.076	3	25 51 152 min 7 max 660	1 2 6 min 1/4 max 26	16.5	54
PCT125			0.125	5				
PCT250			0.250	10				
PCT500			0.500	20				
PCT1000			1.000	40	min 6.35 max 610	min 1/4 max 24	30.5	100
PCT1570			1.570	60				
PCT2360			2.360	93				
PCT3170			3.170	120				

CHAFE above 500 micron (20mil) also available without adhesive, part codes PCBXXXXC and PCTXXXXC where XXXX is the thickness

SHOCK & SHIELD

SHOCK is a further evolution of CHAFE products, to resist to abrasion and shocks from blocks, press locks, snap and halyards shackles.

The first evolution is made of aliphatic polyurethane resin film laminated between CHAFE and a modified acrylic adhesive and finally protected by a siliconised paper to make easy and friendly handling, die cut and application.

Any CHAFE film can be used, ideally 250 or 500 micron (10 or 20 mil).

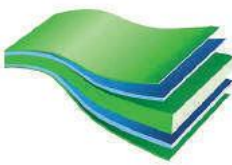
The product is made on demand and tailor made in the width, length and shape required.

The further step is PSX made of lightweight, flexible, microcellular, open cell suitable for multiple high impact protection. It absorbs more energy than comparable materials, nearly twice. The impact is also distributed over a greater area without through the material and to the other side.

SHIELD have been specially developed for protecting susceptible areas of the boat from damage from shock, chafe and scuffing. The films are produced from high grade polyurethane, which has excellent high impact resistance, excellent transparency and high gloss. The films are coated with quality acrylic adhesive with very good long term ageing properties. Tested in most extreme climatic conditions, the films will not crack, discolour or shrink.

Typical applications:

- soft loops and pad eye areas
- mast, boom and spreaders
- bowsprit
- windows/hatches



Liner
Acrylic adhesive
Open Cell
Acrylic adhesive
UHMWPE

PSX structure

SHOCK

Part code	Color	Adhesive	Thickness		Width		Max Length		
			mm	mil	mm	in	m	ft	
PSB076	Black	Acrylic w/liner	0.076	3	min 38 max 660	min 1 1/2 max 26	16.5	54	
PSB125			0.125	5					
PSB250			0.250	10					
PSB500			0.500	20					
PST076	Translucent		0.076	3					PSX: Extreme impact protection are made on demand using different materials listed on table on the right
PST125			0.125	5					
PST250			0.250	10					
PST500			0.500	20					
PSX250XXXXY	Black		0.250	10					
PSX500XXXXY			0.500	20					

SHIELD

Part code	Color	Adhesive	Thickness		Width		Max Length	
			mm	mil	mm	in	m	ft
PSC190	Clear	Acrylic w/liner	0.190	7.5	max 1524	max 60	50	54.6
PSC225			0.225	8.86	max 500	max 20	15	16.4

PSX code XXXYY

Density		Thickness								
g/l	lb/ft ³		mm	2	3	4	5	6	9.5	12.7
		mil	80	118	158	197	236	374	500	
144	9				14404		14406	14410	14413	
192	12		19202	19203	19204		19206	19210	19213	
240	15		24002	24003	24004		24006	24010	24013	
320	20		32002	32003			32006	32010		
400	25		40002	40003						







MASK is the rigging tape.

Riggers and sailors call our best seller PMG050 *the millionaire tape* or *gecko tape*, a must have into the sailor trousers pockets.

The tape combines highly tensilized skived modified PTFE (a synthetic fluoro-polymer) with a high temperature silicon or acrylic adhesives.

They have the highest tensile strength per unit, toughness and high temperature resistance of any PTFE product.

The low friction coefficient together with the resistance to abrasion offers an efficient solution to many wearing and tearing issues.

Typical applications:

- running rigging
- bobstays and strops
- standing rigging, spreaders and turnbuckles
- forestay, backstay, runners and other cables
- all uneven or irregular surfaces
- ideal for wrapping parts where build up can occur

Part code	Color	Adhesive	Liner	Thickness				Elongation at break	Width		Length	
				film		adhesive						
				micron	mil	micron	mil	%	mm	in	m	yds
PMO064	Orange	Silicon	--	64	2.5	38	1.5	140	12 25 32 51 102 min 7 max 564	1/2 1 1 1/4 2 4 min 1/4 max 21.5	33	36
PMB064	Blue		--	64	2.5	45	1.8					
PMG050	Grey		--	50	2	38	1.5					
PMG076			--	76	3							
PMH125L	yes		125	5	300							
PMH250L	yes		250	10								
PMH500L	yes		500	20								
PML050	--		50	2								
PML125	--		125	5								
PML250L	yes		250	10								
PML500L	yes		500	20								
PMA050	Grey		Acrylic	--				50				

L at the end of the part codes means product with liner. PMG050, PML050 and PML125 are available with liner on request.

HEADFOIL

HEADFOIL is the ideal protection against damages to plastic, composite or metallic headfoil from severe contact abrasion of rotating spinnaker/guy or gennaker sheets during internal gybe or kite drop. It is a combination of modified UHMWPE polymers films and strong acrylic or silicon adhesives.

The standard product is suitable for small boat up to 12m (40') and available in two colors: translucent (PHT) or black (PHB).

PHP (high performances), available in light grey with silicon adhesive only, is strongly recommended for larger and grand prix yachts or whenever a superior resistance is required.

The differences between the two versions are the polymers, the temperature resistance of the films and the type of the adhesives.

All products are very easy to use and apply because already cut to the standard sizes of any headfoil systems.

Custom widths and lenghts are available on demand.



Part code	Color	Thickness		Width		Length		Compatible headfoil system
		micron	mil	mm	in	m	yds	
PHT001	Translucent	250	10	34	1.34	1.5	1.64	Harken Unit 0
PHB001	Black							J-Lift 5085
PHP001	Light grey							Tuff Luff 1205 and 1706
PHT002	Translucent			40	1.57	2.0	2.19	Harken Unit 1
PHB002	Black							J-Lift 5100 and 5095/R
PHP002	Light grey							Tuff Luff 2206 and 2506
PHT003	Translucent			51	2.00	4	4.37	Harken Unit 2&3
PHB003	Black							J-Lift 5115 and 5164
PHP003	Light grey							Tuff Luff from 3007 to 7608 and TL1003/4

PHT, PHB and PHP are available on request in any width and length







LOOPX are the strongest man made adhesive tapes.

Tapes are available in two versions, reinforced with Endumax[®], a lightweight, highly effective and flexible UHMWPE tape and another one with Dyneema[®] Fibers, an ultra high strength fiber made of UHMWPE.

In the PLT series the thin and strong adhesive has two functions: to hold either the fibers or tapes in the desired position and to guarantee the adhesion between the layers when the loop is manually made.

PLS series has been designed to make laminated loops because the surface of the tape is treated for heatsealing.

With LOOPX high load or small loops no longer require skills and expertise, complex sequence of operations, complicated steps and tools.

Anybody can make his own loop in the length required, even very small and in just few minutes. It is very practical, translucent, strong and light.

Typical applications:

- bobstays
- runner attachments
- soft attach block

Part code	Color	Adhesive	Liner	Gauge		Width				Length		Working load*		Fibers/tape	
				micron	mil	tape		fibers		m	yds	Kg	Lbs	qty	type
						mm	in	mm	in						
PLT0760120613T	Translucent	Acrylic	WKr	76	3	12	1/2	6	1/4	3	3.3	515	1134	1	Endumax [®] tape
PLT0760191213T						19	3/4	12	1/2			1030	2269	1	Endumax [®] tape
PLT0760250233T						25	1	2	5/64			515	1134	3	Endumax [®] tape
PLT0760250133F						25	1	--	--			1130	2489	3	Dyneema [®] long fibers
PLT0760250133W						25	1	--	--			4120	9075	3x5	Dyneema [®] twisted fibers
PLS000012X1	--	--	--	210	8	--	--	12	1/4	3	3.3	1920	4229	1	Endumax [®] tape
PLS000019X1	--	--	--	210	8	--	--	19	3/4			3040	6695	1	Endumax [®] tape

Endumax[®] is an ultra high molecular weight polyethylene (UHMW-PE), produced by Teijin. Endumax[®] is a lightweight, highly effective and flexible PE-tape.

Dyneema[®] and Dyneema[®], the world's strongest fiber[™] are trademarks of DSM. Use of these trademarks is prohibited unless strictly authorized.

Liner WKr = White Silicon Kraft

"Will and I are really proud to partner with PROtect tapes. We have been amazed with the diverse application and range of their products for basically any need we have, making the product choice very detailed and accurate."
[Mathew Belcher & Will Ryan]





PROtect tapes is Official Supplier
to the Australian Sailing Team

KIT

KIT are a selection of tapes and disks fully compliant with class rules, die cut, ready to apply on the small boats and dinghies.

They have been designed with the support of professional coached and sailors such as Fernando “Happy” Alegre (Optimist), Simon Payne (Moth) or Nathan Outtridge and Iain Jensen (49er) and contain a large selection of CHAFE, MASK, SHRINK and WRAP to cover all possible needs.

On top of the above ready made products, CHAFE is the material used for patches kits available in different sizes (from A6 to A4) and quantity ready to be applied on the boat.

Kits currently available:

- Optimist
- Laser
- Moth
- 29er, 49er/49er FX
- Nacra 17
- SB20
- Topper
- Dinghy 12’
- J70
- Melges 20 & Melges 32



Boat	Part code	Pieces	Bowsprit	Pole launcher	Kite throat	Jib luff/Headfoil	Cross beam	Centreboard	Rudder	Mast step	Mast collar	Top mast section	Lower mast section	Mast front	Sprit	Gaff	Outhaul	Boom	Vang	Turnbuckles	Mast bench	Tiller	Companiway	Wing	Cambers	Rigging	Hayward exit/Furler	Spreaders/Tips	T Ball	Tip bolts	Main sheet racket	Control lines holes	Trapeze shockcord	Foot straps	Stanchions/lifelines	Pulpit	Kite pad eye	D1/V1	Hatch	Interior/Kite drop						
Optimist	PMK066	29						●	●	●				●	●		●																													
Laser	PML001	2								●	●																																			
Laser	PML002	1								●																																				
Laser	PML003	13						●		●	●	●	●				●					●																								
Laser	PML004	2										●	●																																	
Laser	PML007	5						●																																						
Moth	PMK002	8						●	●								●	●		●				●	●	●	●	●	●																	
29er	PMK029	10	●	●	●	●																							●																	
49er/49er FX	PMK029	28	●	●	●	●	●	●	●	●				●			●		●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Nacra 17	PMK062	31	●		●	●	●	●	●					●			●	●		●						●	●	●	●																	
Nacra 17	PMK063	2						●																																						
Nacra 17	PMK064	8	●																																											
SB20	PMK020	10	●	●	●	●								●												●																				
Topper	PMK078	1								●																																				
Dinghy 12'	PMK120	28						●	●	●	●			●		●	●	●	●	●						●																				
J70	PMK067	10												●								●					●	●	●																	
Melges 20	PMK910	1												●																																
Melges 32	PMK912	1												●																																
Melges 32	PMK999	9	●	●	●	●		●	●					●			●		●	●		●	●	●	●	●	●	●	●													●	●	●	●	●

All kits contain item list (see SB20 next page) and instructions.

PIECES PER PACK

Thickness	micron	125	250	500
	mil	5	10	20
Part code	51 x 152	A5	A4	A4
PMK002	2			
PMK040		1		
PMK050				1 2
PMK060		1		2
PMK070				4
PMK080				4

MAST PAD CODES FOR MELGES 20 AND 32

CHAFE	SHOCK	PSX
PMK010	PMK910	PMK510
PMK012	PMK912	PMK512

#	Part code	Gauge	Color	Width	Length	Qty	Details
1	PCB500	500	Black	180	0,18	2	Front kite block wearing and tearing the gealcoat
2	PCB500	500	Black	180	0,18	2	Rear kite block wearing and tearing the gealcoat
3	PCT250	250	Translucent	60	0,40	1	Improve exit and drop of the kite/sliding over the deck
4	PCB250	250	Black	150	0,80	1	Bottom part of the mast
5	PML125	125	Ligth Grey	51	1,65	2	Cover both sides of the bowsprit case to improve the sliding
6	PML125	125	Ligth Grey	120	1,85	1	Wrap the bottom of bowsprit for sliding improvement
7	PML050	50	Ligth Grey	19	10,00	1	All purposes/rigging





WRAP & FUSING



WRAP tapes are self-amalgamating modified polyisobutylene tapes, designed to stretch and stick to itself, forming a very strong and waterproof bond without leaving sticky stains on boat fittings.

Products are available in black or white.

The narrow tape is ideal for rigging, screw terminals, electrics whereas the special wide rolls create a flexible, long lasting, good looking instant welding waterproof mast collar that will not leak.

It is easy to apply and fast and friendly to be removed.

FUSING tape is an affordable and highly functional, silicone, self fusing tape. Resists moisture, oxygen, and ozone to assure continuous high insulation values. Conforms smoothly when wrapped around complex forms and bonds to itself at room temperature within 24 hours.

Remains non-tacky to the touch and does not adhere to other surfaces, or substrates. Insulates with single wrap, thereby reducing labor time and cost



Typical applications:

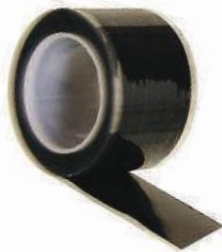
- rigging
- hardware
- spreader pins ad turnbuckles
- electrics
- mast collar
- ideal for wrapping parts where build up can occur

WRAP

Part code	Color	Thickness		Elongation at break	Width		Length	
		micron	mil		mm	in	m	in
PWB500	Black	500	20	700	25, 100	1, 4	2, 10	2.2, 11
PWB800		800	31.5	900	150, 250	6, 10	10	11
PWW500	White	500	20	800	25, 100	1, 4	3, 5	3.3, 5.5
PWW800		800	31.5	900	150, 250	6, 10	10	11

FUSING

PFB500	Black	500	20	500	25	1	3	3.3
PFG500	Grey							
PFW500	White							
PFC500	Clear							



"I'm looking for every little gain while sailing, especially in speed and manoeuvres.

For this reason PROtect tapes has been on my moth since the beginning, knowing that everything runs just smooth when I push the limit is the key to a relaxed race. Thanks PROtect tapes."

[Paul Goodison, Olympic Gold medalist, 2016 ad 2017 Moth World Champion]

PROtect tapes is Official Supplier to Paul Goodison





ROPE & SHRINK

ROPE is a smart and clever idea to identify forever ropes, halyards, running rigging and sheets on-board, into the container or van.

It is a heat shrink polyolefine tube with shrink ratio 2:1, available in different diameters to cover all possible needs.

Simply insert the tube at the end of rope, gently heat the tube using a suitable heat gun, hair dryer or just boiling water and the tube will wrap up it.

The material is writable with a permanent marker pen to have handy some relevant information (use, manufacturer, configuration, sailing hours, etc) and log it using the unique serial number.

Printing of your logo, variable data and other colors on demand.

Typical applications:

- mooring lines
- ropes
- hayards, running rigging and sheets



SHRINK are PTFE heat shrink tubes providing a state of the art method for the application of a tight, protective covering to items that will be subjected to the tough conditions.

It is the ideal method for the application of a tight, protective jacketing to items that ultimately will be subjected to extremes of heat, corrosion, shock, moisture, or other critical environmental conditions.

Provided in the expanded state, heat shrinkable tubing shrink wraps intricate and irregular shapes with a simple application of heat.

The application of heat shrink tubing extends life, increases reliability, and improves performance of the boat hardware.

SHRINK has ratio 4:1. The product requires at least 650°F/340°C to recover.



ROPE

Part code	Color	Unshrunked		Shrunked		Length	
		mm	in	mm	in	mm	in
PRW125-2	White	12.50	1/2	6.25	1/4	100	4
PRW190-2	White	19.50	3/4	9.75	3/8		
PRW254-2	White	25.40	1	12.70	1/2		
PRW125-2S	White	12.50	1/2	6.25	1/4		
PRW190-2S	White	19.50	3/4	9.75	3/8		
PRW254-2S	White	25.40	1	12.70	1/2		

SHRINK

Part code	Color	Unshrunked		Shrunked		Min Length	
		mm	in	mm	in	m	ft
PHST125-4	Clear	12.70	1/2	3.66	1/8	1	3.3
PHST158-4	Clear	15.88	5/8	4.52	5/32		
PHST190-4	Clear	19.05	3/4	5.70	3/16		
PHST222-4	Clear	22.23	7/8	6.20	7/32		
PHST254-4	Clear	25.40	1	7.06	1/4		
PHST317-4	Clear	31.75	1 1/4	8.82	5/16		
PHST381-4	Clear	38.00	1 1/2	10.20	3/8		
PHST508-4	Clear	50.80	2	14.12	1/4		

CHASE BOAT # 1

04325

▷▷ JIB DX

06377

▷▷ H MAIN

02850

ROPES & RIGGING

01789

▷▷ MAIN

07433


▷▷ PROtect tapes

▷▷ VANG

05104

▷▷ FURLER CO

02855

An aerial photograph of a sailboat with a white hull and dark sails, sailing on a deep blue sea. A long line of crew members wearing bright orange safety gear is visible along the deck. The boat is moving towards the bottom left, leaving a white wake behind it. The image is oriented vertically on the page.

"We used PROtect tapes and they always performed exceptionally well.
It's great to work with a company that will develop products to suit your
needs. Thanks PROtect tapes."
[Don Cowie, Momo]



The offer is wide: narrow rolls and jumbo rolls that can be cut to size on site or easily create templates specifically for your boat.

- boat deck and cockpit
- stairs and ladders
- any slippery surface that is walked on

WING

WING is all you need for wingsails.

WINGLAR™ is a special membrane available in different gauges, all very strong, tough, clear or pigmented, biaxially oriented, heat shrinkable, printable film. The films have high shrink force for superior bundling capability, high tear, impact and abrasion resistance, high gloss, clarity, excellent printability and UV stability.

A strong membrane is useless without an equally strong double sided tape with carrier and asymmetrical acrylic adhesive to perfect match the properties of the membrane and the carbon fiber frame.

The final seamless touch is given by a clear, thin layer to cover and protect the edges of the film.

Typical applications:

- Wing sails
- Cross beams



MEMBRANES

Part code	Color	Thickness		Width		Applications
		micron	mil	m	ft	
PWC013	Clear	13	0.50	1.6	5.25	Small wings
PWC016		16	0.65			
PWC019		19	0.75			
PWC025		25	1.00			
PWC032		32	1.25	3.3	10.8	Cross beam of smaller than 40'
PWC038		38	1.50			Cross beam of 40' and above
PWC050		50	2.00			
PWC075		75	3.00			AC45/48 and bigger

Available pigmented as well, MOQ applies. PWC075 is ACM Committee for the America's Cup approved.

SINGLE AND DOUBLE SIDED ADHESIVE TAPES

Part code	Carrier	Color	Adhesive	Thickness				Width		Length		Purpose	Notes
				carrier		adhesive		mm	in	m	ft		
				micron	mil	micron	mil						
PWD04739	Polyester	Clear	Acrylic	25	1.0	88	3.45	19, 25, 50	3/4, 1, 2	50	164	Link between the membrane and the wing	Double sided adhesive tape
PWD04839				13	0.5	95	3.75						
PWD01357				13	0.5	38	1.50	19, 25	3/4, 1	55	180		
PWS01328				23	0.9	37	2.36	50, 100	1, 2	66	164	Finishing tape	Single side adhesive tape

On PWD series the adhesive quantity is per side



SNAP & SPIRAL

SNAP and **SPIRAL** are solutions to protect the composite standing rigging, frequently damaged by jib and gennaker sheets increasing the risk of equipment failure and esponential cost for replacement.

SNAP is a special profile made of PTFE that can be apply on any cable at any time with the mast completely rigged. It can be applied and removed in few minutes because of the design of the hook.

SPIRAL is a spiral cut cable wrap made of PTFE, resistant to abrasion, expandable and applicable on standing rigging as it is or wrapped by MASK for more durable protection.

Typical applications:

- Standing rigging (V1, D1, stays, etc)
- Lifelines

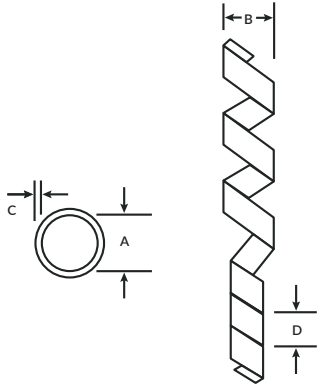
SNAP

Part code	Color	Internal Diameter		wall		Max Diameter		Lenght	
		mm	in	mm	in	mm	in	m	ft
PPC0250	Tranlucent	6.35	1/4	0.76	0.030	5.08	0.200	1.5, 3.0	5, 10
PPC0437		11.11	7/16			10.16	0.400		
PPC0562		14.29	9/16			12.70	0.500		
PPC0625		15.88	5/8	0.89	0.035	15.24	0.600		
PPC0812		20.64	13/16			19.05	0.750		
PPC1000		25.40	1			24.77	0.975		
PPC1275		34.93	1 3/8			34.29	1.350		



SPIRAL

Part code	Color	Internal Diameter A		Max Diameter B		Wall C		Pitch of helical cut D	
		mm	in	mm	in	mm	in	mm	in
PRS0318	Tranlucent	1.59	1/16	12.70	1/2	0.76	0.030	6.35	1/4
PRS0476		3.18	1/8	25.40	1			6.35	1/4
PRS0635		4.76	3/16	50.80	2			9.53	3/8
PRS0794		6.35	1/4	63.50	2 1/2			9.53	3/8
PRS0953		7.94	5/16	76.20	3			11.11	7/16
PRS1270		11.11	7/16	101.60	4	0.81	0.032	14.29	9/16
PRS1588		14.29	9/16	127.00	5			15.88	5/8
PRS1905		17.46	11/16	152.40	6			22.23	7/8
PRS2540		23.81	15/16	203.20	8	1.02	0.040	25.40	1



The lenght required is equal to the ration between the ID and the cable diameter. If the cable is 5mm and SPIRAL is PRS0476, 1 meter will cover 0.64m. ID of PRS0476 is 3.18, therefore 3.18 : 5 = 0.64. If the cable is 7mm, PRS0476 will cover just 0.45m because 3.18 : 7 = 0.45. The best ration is between 0.80 and 0.40.



"PROtect tapes have worked with us over many years in forming solutions to the vast range of chafe problems experienced on maxi yachts. They have been helpful in the extreme. Always prompt with supply and very amenable to adapting their products to suit our needs. We rely on their products extensively."
[Mike Atkinson, Open Season]



MELGES
EUROPE

"PROtect tapes is widely used on all Melges 40. We are very happy with the SKID performances. The catalogue of PROtect tapes is unique giving us the possibility to solve all issues we had in several areas of chafe around the deck, undeck and rig. This was a challenging project and PROtect tapes have helped us going through it without gear failure."
[Federico Michetti, CEO Melges Europe]

PROtect tapes is Technical Supplier
to Melges Europe

COMPOSITE



COMPOSITE are PTFE tapes either glass coated or plain suitable for mold release in demanding composite constructions. Tapes and adhesive (silicon or acrylic) can withstand the most challenging requirements and extreme operating conditions. The thickness range is wide matching applications requiring excellent release, dimensional and superior thermal stability. Release of composite part from the tooling on ejection is also key benefit of a properly designed mold and release characteristics normally relate to the coefficient of friction of the molding surfaces and release tapes play an important role. In fact, the lowest coefficient of friction is not a material property, but a result of the contact system therefore influenced by the hardness, thickness, uniformity and smoothness of the surfaces, even more critical for small or negative draft angles.

Typical applications:

- male or female mold release

Part code	Color	Adhesive	Liner	Gauge				Adhesion		Elongation at break	Width		Length	
				film		adhesive								
				micron	mil	micron	mil	N/cm	oz/in		%	mm	in	m
PMF076L	Brown	Silicon	Yes	76	3	51	2	4.37	40	3	up to 1000	up to 39.37	33	36
PMF125L	Brown	Silicon	Yes	125	5	51	2	4.37	40	3				
PMF150L	Brown	Silicon	Yes	150	6	51	2	4.37	40	3				
PMC050	Grey	Silicon	--	50	2	38	1.5	3.28	30	140	25 51 102 min 7 max 564	1 2 4 min 1/4 max 21.5		
PMC050L	Grey	Silicon	Yes	50	2	38	1.5	3.28	30	140				
PMC076	Grey	Silicon	--	76	3	38	1.5	3.28	30	140				
PMC076L	Grey	Silicon	Yes	76	3	38	1.5	3.28	30	140				

PMF and PMC series available with acrylic adhesives too.

DUCT & SEAL & NO LEAK

DUCT tapes are a high quality general purpose colored tapes made from polyethylene-coated cloth coated with a natural rubber and synthetic resin adhesive system.

Tapes will conform well to irregular surfaces and will not twist or curl during application, hand tearable and tears evenly across the web of the cloth and provides excellent water and abrasion resistance.

Available in the standard silver and seven other colors.

It can be used as a quality moisture and waterproof tape and for easy and quick fix, reinforcing, color coding, ductwork sealing and seaming.

SEAL are tapes are specialty masking tapes combining LDPE films and HDPE cloth coated with acrylic adhesive. They are hand tearable, resistant, residue free and highly weather resistant and waterproof, free residual after removal. These features offer many solutions for masking, protection, holding, splicing, seaming, sealing. Since they does not leave residue on floors and surfaces, it makes maintenance operation easier.

NO LEAK is similar to SEAL but especially designed for airtightening and waterproofing. Permanent bonding.

Typical applications:

- moisture, waterproof and airtightening
- reinforcing
- color coding
- sealing
- seaming

DUCT

Part code	Color	Adhesive	Thickness		Width		Length	
			<i>micron</i>	<i>mil</i>	<i>mm</i>	<i>in</i>	<i>m</i>	<i>yds</i>
PDS290	Silver	Rubber	90	3.5	50	2	10 25	11 27.3
PDW290	White							
PDB290	Black							
PDR290	Red							
PDY290	Yellow							
PDO290	Orange							
PDL290	Blu							
PDG290	Green							



SEAL

Part code	Color	Adhesive	Thickness		Width		Length	
			<i>micron</i>	<i>mil</i>	<i>mm</i>	<i>in</i>	<i>m</i>	<i>yds</i>
PEW190	White	Acrylic	190	7.5	50	2	50	55
PEC190	Clear							
PEG190	Green							

NO LEAK

Part code	Color	Adhesive	Thickness		Width		Length	
			<i>micron</i>	<i>mil</i>	<i>mm</i>	<i>in</i>	<i>m</i>	<i>yds</i>
PNR220	Black	Acrylic	220	8.86	100	4	2	2.2





INTERIOR & EXTERIOR



INTERIOR is the ideal solution for protection of delicate surfaces such as the boat interiors whether in construction, delivery, boat maintenance or racing. The product is a foam PE film laminated with LDPE and a removable acrylic adhesive. The low grammage adhesive is strong enough to guarantee a good adhesion and at the same time the low tack do not damage the surfaces protected; additionally no stain or adhesive residual once removed. The product available is in the 2050 version with extremely low tack for very delicate surfaces, alcantare and leather. The film is conformable therefore suitable to protect uneven and round surfaces, very easy to apply.

EXTERIOR is a clear polyolefins UV treated with low tack acrylic adhesive for the protection of the deck, hull and any part exposed to atmospheric agents and easy peel. It is suitable for the protection of surface finishes from dirt and scratches and available in two versions with medium and low tack.

Part code	Color	Adhesive	Gauge				Adhesion		Elongation at break	Width		Length	
			film		adhesive								
			micron	mil	micron	mil	N/cm	oz/in	%	mm	in	m	yds
PIW2000	White	Acrylic	2000	80	10	0.4	1.0	9.1	<200	250, 625, 1250	10, 25, 50	25	27,3
PIW2050			1100	43			0.4	3.6		1250	50	50	54,7
PEC205094	Clear		80	3.15			0.8	9.1	>300	300, 600	12, 24	500	546
PEC208001							0.5	4.6					



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Values presented have been determined by standard test methods and are average values not to be used for specification purposes.
Our recommendations on the use of our products are based on tests believed to be reliable but we would advise you to conduct your own test to determine their suitability for your applications.
This is because we cannot accept any responsibility or liability direct or consequential for loss or damages as results of our recommendations.
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