

PROtect Chafe

PCB500

UHMW Polyethylene Film Tape

20221114 Rev 1

Product Description

UHMW PE tape PCB500 is a film coated with a special permanent acrylic adhesive

Product Construction

| Backing | Adhesive | Color | Standard Roll Length | Width |
|--|----------|-------|---------------------------|----------------------|
| UHMWPE (ultra high molecular weight polyethylene) | Acrylic | Black | 18 yds. (16.5 m) on liner | ¼"-26 in 7-660 mm |

Typical Physical Properties

The following technical information and data should be considered representative or typically only and should not be used for specifications purposes.

| Property | ASTM Method | | |
|---------------------------|-------------|-----------|-----------|
| Backing thickness | D-374 | 0,0200 in | 500 µm |
| Adhesive thickness | D-374 | 0,0018 in | 45 µm |
| Adhesion | D-1000 | 50 oz/in | 5,47 N/cm |
| Elongation | D-1000 | 300 % | |
| Tensile strenght | D-1000 | 60 lb/in | 105 N/cm |
| Coefficient of friction | D-1894 | 0,21 | |
| Max Operating Temperature | | 200 °F | 93 °C |

Features

- Acrylic adhesive is a firm high solvent and oil resistant adhesive which bonds best on high surface energy materials.
- UHMW polyethylene is a thermoplastic that has a unique combination of properties which make it ideal for many tough impact wear and tear or sliding applications. Within its operational tempeartuire range, UHMW polyethylene tape can provide the following advantages:
 - Outstanding abrasion resistance* Will outwear many types of PTFE and other materials in sliding applications.
 - Low coefficient of friction* Exceeded only by the PTFE's.
 - Self Lubricating* Can often be used where lubrication is not possible because of contamination

Applications

- lines and ropes dragging over the deck
- heafoil, mast, boom and spinnaker pole protection
- pads on the deck for blocks and hardware
- spinnaker/gennaker sheet ruining the boom

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% RH in the original packaging.

Shelf Life

To guarantee the best performance, use this tape within 12 months from the manufacturing date.

Product use

All statements, technical information and recommendations contained in this document are based upon tests or experiments that we believe reliable. However, many factors beyond our control can affect the use and performance of the product in a particular application, including under which the products is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of

Warranty and limited remedy

Unless stated otherwise in the product literature or packaging insert, the manufacturer warrants that each product meets the applicable specifications at the shipping time. Individual products may have additional or different warranties as stated in the product literature or package inserts. We make no other warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or any implied warranty arising out of a course of dealing, custom or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's application. If the product is defective within the warranty period, your exclusive remedy and our and seller's sole obligation will be, at our option, to replace the product or refund the purchase price.

Limitation of liability

Except where prohibited by law, we and seller will not be liable for any loss or damage arising from the product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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