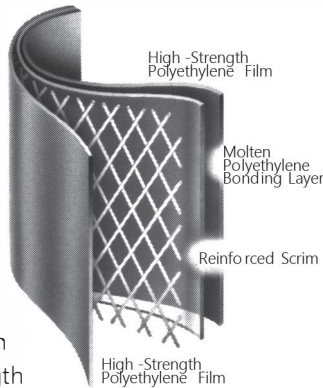


PRODUCT DESCRIPTION

DuraDefend is a white four-layer reinforced shrink wrap that combines the strength of scrim-reinforcement with the heat shrink properties of conventional shrink films. DuraDefend is engineered to be lightweight and flexible for exceptional cold-crack resistance in low temperatures. The outer layers consist of an opaque white high-strength polyethylene film with added U.V. and thermal stabilizers to reduce heat build-up beneath the enclosure, condensation, and to provide exposed outdoor longevity of approximately 1-year. DuraDefend is highly pliable and allows for easy heat-seal fusing during packaging to efficiently enclose large or difficult shapes and eliminate the costs of cover packing materials in shipping and storage. A heavy-duty scrim reinforcement is placed between the plies to maximize tear-resistance and increase service life.



DuraDefend is reinforced with a minimum 1000 denier scrim laid in a diagonal pattern spaced 3/8" apart for added strength and stability. The individual plies are laminated together with molten polyethylene for pin-hole free durability. DuraDefend's signature diamond reinforcement pattern provides uniform tear resistance in all directions through superior tensile and puncture properties to resist and stop tear propagation.

PRODUCT USE

DuraDefend is designed for shrink wrap applications requiring higher durability and protection over the use of non-reinforced standard shrink films. DuraDefend reinforced shrink film adds exceptional anti-tear and puncture resistance with the benefit of lightweight easy-seal pliability to wrap difficult shapes and large objects for transportation or long-term storage.

SIZE & PACKAGING

DuraDefend is available in 20', 33', and 40' widths, along with custom fabricated panels for specific requirements. All panels are accordion folded and tightly rolled on heavy-duty cores for ease of handling and time saving installation.



EQUIPMENT PACKAGING

PRODUCT

PART

DuraDefend..... R100WW3

APPLICATIONS

- | | |
|------------------------|-------------------------|
| Equipment Packaging | Asbestos Abatements |
| Industrial Packaging | Fumigation Enclosures |
| Shipping and Packaging | Construction Enclosures |



DURADEFEND®

FOUR-LAYER REINFORCED SHRINK EXTRUSION LAMINATE

PRO-FORMA PRODUCT DATA SHEET		DuraDefend	
PROPERTIES	TEST METHOD	IMPERIAL	METRIC
APPEARANCE		White	
THICKNESS, NOMINAL		10 mil	0.25 mm
WEIGHT	ASTM D751	41 lbs/MSF 5.9 oz./yd ²	200 g/m ²
CONSTRUCTION		four-layer scrim-reinforced shrink extrusion laminate	
² 1" TENSILE STRENGTH	ASTM D7003	60 lbf/in	105 N/cm
² ELONGATION AT FILM BREAK	ASTM D7003	500 %	500 %
² GRAB TENSILE	ASTM D7004	80 lbf	356 N
¹ TRAPEZOID TEAR	ASTM D4533	55 lbf	245 N
MULLEN BURST	ASTM D751	90 psi	621 kPa
WVTR	ASTM E96 Procedure B	0.214 grams/(100in ² ·day)	3.317 g/(m ² ·day)
PERM RATING	ASTM E96 Procedure B	0.031 Perms grains/(ft ² ·hr·in Hg)	0.021 Perms g/(24hr·m ² ·mm Hg)
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C
MINIMUM STATIC USE TEMPERATURE		- 70° F	- 57° C

¹ Tests are an average of diagonal directions.

² Tests are an average of primary reinforcement directions.

PRO-FORMA SHEET CONTENTS: The data listed in the Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.



DuraDefend is a white four-layer reinforced shrink wrap that combines the strength of scrim-reinforcement with the heat shrink properties of conventional shrink films. DuraDefend is engineered to be lightweight and flexible for exceptional cold-crack resistance in low temperatures. The outer layers consist of an opaque white high-strength polyethylene film with added U.V. and thermal stabilizers to reduce heat build-up beneath the enclosure, condensation, and to provide exposed outdoor longevity of approximately 1-year. DuraDefend is highly pliable and allows for easy heat-seal fusing during packaging to efficiently enclose large or difficult shapes and eliminate the costs of cover packing materials in shipping and storage. A heavy-duty scrim reinforcement is placed between the plies to maximize tear-resistance and increase service life.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. VIAFLEX MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.viaflex.com



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