

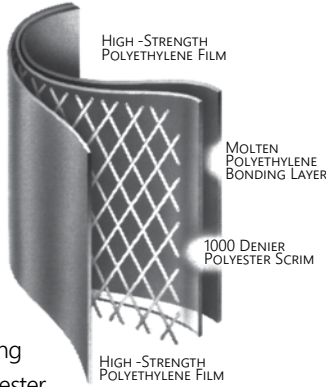
DURA♦SKRIM® R20BDV

SCRIM REINFORCED POLYETHYLENE



PRODUCT DESCRIPTION

DURA♦SKRIM® R20BDV consists of virgin outer layers of high-strength polyethylene film laminated together with hot molten polyethylene. DURA♦SKRIM® R20BDV is black on one side and gray on the other for added versatility. The outer layers are formulated with thermal and UV stabilizers to assure long outdoor life. A layer of polyester scrim reinforcement placed between these plies greatly enhances tear resistance and increases service life. DURA♦SKRIM's heavy-duty diamond reinforcement responds to tears immediately by surrounding and stopping the tear.



PRODUCT USE

DURA♦SKRIM® R20BDV is used in applications that require exceptional outdoor life and demand high puncture and excellent barrier properties. DURA♦SKRIM® R20BDV is manufactured from a very chemical-resistant, virgin polyethylene.

SIZE & PACKAGING

DURA♦SKRIM® R20BDV is available in a variety of widths and lengths. Panel sizes up to 57,000 square feet are available. All panels are accordion folded every six feet and tightly rolled on a heavy-duty core for ease of handling and time-saving installation.



Landfill Cover

PRODUCT

PART

DURA♦SKRIM R20BDV

APPLICATIONS

- | | |
|---------------------------|------------------------|
| Underslab Vapor Retarders | Earthen Liners |
| Modular Tank Liners | Interim Landfill Caps |
| Daily Landfill Covers | Remediation Covers |
| Remediation Liners | Erosion Control Covers |

DURA♦SKRIM®

DURA♦SKRIM® R20BDV

SCRIM REINFORCED POLYETHYLENE

PROPERTIES	TEST METHOD	DURA♦SKRIM® R20BDV	
		IMPERIAL	METRIC
APPEARANCE		Black/Gray	
THICKNESS, NOMINAL		20 mil	0.51 mm
WEIGHT		74 lbs/MSF 10.7 oz./yd ²	361 g/m ²
CONSTRUCTION		Extrusion laminated with scrim reinforcement	
TENSILE STRENGTH (SCRIM BREAK)	ASTM D7003	75 lbf/in	131 N/cm
TENSILE ELONGATION AT BREAK (FILM BREAK)	ASTM D7003	700 %	700 %
TENSILE ELONGATION AT BREAK (SCRIM BREAK)	ASTM D7003	20 %	20 %
GRAB TENSILE	ASTM D7004	114 lbf	507 N
PUNCTURE RESISTANCE, (CBR)	ASTM D6241	300 lbf	1334 N
*TRAPEZOID TEAR	ASTM D4533	70 lbf	311 N
MULLEN BURST	ASTM D751	120 psi	827 kPa
HIGH PRESSURE OIT (HPOIT)	ASTM D5885	> 1400 min	
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C
MINIMUM STATIC USE TEMPERATURE		-70° F	-57° C
WVTR	ASTM E96 Method A	0.023 g/100in ² /day	0.354 g/m ² /day
PERM RATING	ASTM E96 Method A	0.052 Perms grains/(ft ² ·hr·in·Hg)	0.034 Perms g/(24hr·m ² ·mm Hg)

*Tests are an average of diagonal directions.

Hydraulic conductivity values are derived from permeability data. R20BDV = 1.77×10^{-10} cm/sec.



DURA♦SKRIM® R20BDV is a black/gray four-layer reinforced laminate. The outer layers consist of high-strength, polyethylene film manufactured using virgin grade resins and is formulated with thermal and UV stabilizers to assure long outdoor life. DURA♦SKRIM® R20BDV is reinforced with 1000 denier scrim reinforcement laid in a diagonal pattern spaced 3/8" apart with an additional machine direction scrim every 3" across the width to provide excellent tear resistance and increased service life. The individual plies are laminated together with molten polyethylene.

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. RAVEN INDUSTRIES 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.ravenefd.com

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