

## PRODUCT DESCRIPTION

DURA♦SKRIM® K30B, K36B and K45B are linear low density polyethylene geomembranes reinforced with a heavy dense scrim reinforcement. In addition to excellent dimensional stability the K-Series reinforcement provides unmatched tear and tensile strength. DURA♦SKRIM® K-Series membranes are formulated with thermal and UV stabilizers to assure a long service life.

## PRODUCT USE

DURA♦SKRIM® K30B, K36B and K45B are used in applications that require exceptional outdoor life and demand high tear strength and resistance to thermal expansion.

DURA♦SKRIM® K30B, K36B and K45B are manufactured from a very chemical-resistant, Linear Low Density Polyethylene with excellent cold crack performance. The DURA♦SKRIM®, K30B, K36B & K45B are certified under the NSF/ANSI Standard 61, Drinking Water System Components Health Effects.



## SIZE & PACKAGING

DURA♦SKRIM® K30B, K36B and K45B are available in a variety of widths and lengths to meet the project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Factory welded panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Containment Liner

## PRODUCT

## PART #

DURA♦SKRIM .....	K30B
DURA♦SKRIM .....	K36B
DURA♦SKRIM .....	K45B

## APPLICATIONS

Waste Lagoon Liners	Landfill Caps
Floating Covers	Erosion Control Covers
Daily Landfill Covers	Canal Liners
Modular Tank Liners	Disposal Pit Liner
Tunnel Liners	Water Containment Ponds
Remediation Liners	Heap Leach Liner
Earthen Liners	Secondary Containment
Interim Landfill Covers	Fertilizer
Remediation Covers	

# DURA♦SKRIM® K30B, K36B, K45B

SCRIM REINFORCED POLYETHYLENE - NSF/ANSI STANDARD 61 CERTIFIED

PROPERTIES	TEST METHOD	DURA♦SKRIM K30B		DURA♦SKRIM K36B		DURA♦SKRIM K45B	
		MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black	Black	Black	Black	Black	Black
THICKNESS	ASTM D5199	28 mil	30 mil	32 mil	36 mil	40 mil	45 mil
WEIGHT	ASTM D751	120 lbf/msf 17.3 oz/yd <sup>2</sup>	125 lbf/msf 18.0 oz/yd <sup>2</sup>	157 lbf/msf 22.6 oz/yd <sup>2</sup>	179 lbf/msf 25.8 oz/yd <sup>2</sup>	190 lbf/msf 27.4 oz/yd <sup>2</sup>	202 lbf/msf 29.1 oz/yd <sup>2</sup>
CONSTRUCTION		Dense scrim reinforced polyethylene					
*PLY ADHESION	ASTM D6636	20 lbf/in or FTB	26 lbf/in or FTB	24 lbf/in or FTB	30 lbf/in or FTB	24 lbf/in or FTB	43 lbf/in or FTB
TENSILE STRENGTH - LBF/IN	ASTM D7003	165 MD 153 TD	183 MD 170 TD	178 MD 171 TD	198 MD 190 TD	182 MD 180 TD	202 MD 200 TD
TENSILE ELONGATION AT BREAK % (FILM BREAK)	ASTM D7003	231 MD 172 TD	257 MD 191 TD	228 MD 210 TD	253 MD 233 TD	312 MD 278 TD	347 MD 309 TD
TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D7003	30 MD 30 TD	33 MD 32 TD	30 MD 30 TD	33 MD 32 TD	30 MD 30 TD	32 MD 35 TD
TONGUE TEAR STRENGTH - LBF	ASTM D5884	214 MD 186 TD	238 MD 207 TD	115 MD 113 TD	128 MD 126 TD	104 MD 99 TD	116 MD 110 TD
GRAB TENSILE - LBF (SCRIM BREAK)	ASTM D7004	267 MD 268 TD	297 MD 298 TD	295 MD 301 TD	328 MD 335 TD	307 MD 296 TD	341 MD 329 TD
GRAB TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D7004	25 MD 25 TD	31 MD 32 TD	25 MD 25 TD	31 MD 30 TD	25 MD 25 TD	27 MD 28 TD
HIGH PRESSURE OIT (HPOIT)	ASTM D5885	1000 min	> 2200 min	1000 min	> 2200 min	1000 min	> 2200 min
PUNCTURE RESISTANCE	ASTM D4833	109 lbf	121 lbf	129 lbf	143 lbf	130 lbf	145 lbf
MAXIMUM STATIC USE TEMPERATURE		180° F		180° F		180° F	
MINIMUM STATIC USE TEMPERATURE		-70° F		-70° F		-70° F	

\*Raven modified QC procedure

Hydraulic conductivity values are derived from permeability data. K30B =  $2.20 \times 10^{-10}$  cm/sec, K36B =  $1.83 \times 10^{-10}$  cm/sec, and K45B =  $1.47 \times 10^{-10}$  cm/sec.

## DURA♦SKRIM®

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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](http://www.ravenefd.com)

**RAVEN ENGINEERED FILMS**  
P.O. Box 5107 Sioux Falls, SD 57117-5107  
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456

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[efdsales@ravenind.com](mailto:efdsales@ravenind.com)  
[www.ravenefd.com](http://www.ravenefd.com)

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