

PRODUCT DESCRIPTION

DURA♦SKRIM® K45B is a linear-low-density polyethylene geomembrane reinforced with a dense cross-directional scrim reinforcement. The rugged K-Series reinforcement provides unmatched durability through superior tear and puncture resistance. DURA♦SKRIM® K-Series membranes are formulated with thermal and UV stabilizers to assure a long service life in exposed applications. K-Series geomembranes are manufactured from a chemically resistant LLDPE premium resin to provide excellent dimensional stability and cold flex crack performance.

PRODUCT USE

DURA♦SKRIM® K-Series is recommended in applications that require exceptional outdoor longevity and demand high tear strengths, and resistance to thermal expansion.

DURA♦SKRIM® K45B meets or exceeds the requirements of the Geosynthetics Research Institute; GRI-GM25 Standard Specification, and is certified under the NSF/ANSI Standard 61, Drinking Water System Components – Health Effects.

SIZE & PACKAGING

DURA♦SKRIM® K-Series is available in a variety of widths and lengths to meet the project requirements. Wide-width mill rolls are available to assure an efficient on-site seaming process. Raven specializes in high-quality large prefabricated panels up to 8,000 lbs. These panels are welded and produced in a controlled environment then accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Containment Liner

PRODUCT

PART

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 | Remediation Covers |

DURA♦SKRIM® K45B

SCRIM REINFORCED POLYETHYLENE - MEETS GRI-GM25

		DURA♦SKRIM K45B			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black		Black	
THICKNESS	ASTM D5199	40 mil Average	45 mil Nominal	1.02 mm Average	1.14 mm Nominal
WEIGHT	ASTM D751	189 lbs/msf	203 lbs/msf	923 g/m ²	991 g/m ²
GRAB TENSILE AT BREAK	ASTM D7004	250 lbs	330 lbs	1112 N	1468 N
TENSILE ELONGATION AT BREAK	ASTM D7004	25 %	31 %	25 %	31 %
TONGUE TEAR STRENGTH	ASTM D5884	95 lbs	115 lbs	423 N	512 N
PUNCTURE RESISTANCE	ASTM D4833	110 lbs	148 lbs	489 N	658 N
HIGH PRESSURE OIT (HPOIT)	ASTM D5885	1000 min	> 2200 min	1000 min	> 2200 min
HYDRAULIC CONDUCTIVITY		1.5 x 10 ⁻¹⁰ cm/sec			
MAXIMUM STATIC USE TEMPERATURE		180° F		82° C	
MINIMUM STATIC USE TEMPERATURE		-70° F		-57° C	
FACTORY SEAM REQUIREMENTS					
BONDED SHEAR STRENGTH	ASTM D7747	85 lbs/in width	120 lbs/in width	149 N/cm	210 N/cm
SEAM PEEL STRENGTH	ASTM D7747	50 lbs/in width	70 lbs/in width	88 N/cm	123 N/cm



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Scan QR Code to download technical data sheets.

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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