

## PRODUCT DESCRIPTION

DURA♦SKRIM® KQ45B is a flexible polypropylene reinforced geomembrane achieved by incorporating high levels of ethylene propylene rubber into polypropylene with a dense scrim reinforcement for excellent dimensional stability and puncture resistance. In addition the K-Series reinforcement provides unmatched tear and tensile strengths. DURA♦SKRIM® KQ-Series polypropylene membranes do not contain plasticizers that can leach out and hinder long-term flexibility and performance. DURA♦SKRIM® KQ-Series provide outstanding resistance to environmental stress cracking even in elevated temperatures and chemical environments.

## PRODUCT USE

DURA♦SKRIM® KQ-Series are used in a wide variety of applications that require a unique combination of mechanical toughness, excellent flexibility, and environmental resistance. DURA♦SKRIM® KQ-Series polypropylene geomembranes also offer a high-friction angle reducing concerns for side slope stability.

DURA♦SKRIM® KQ45B meets or exceeds the requirements of the Geosynthetics Research Institute; GRI-GM18 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 ..... KQ45B

## APPLICATIONS

- |                         |                         |
|-------------------------|-------------------------|
| Waste Lagoon Liners     | Remediation Covers      |
| Floating Covers         | Landfill Caps           |
| Fish Hatchery Liners    | Farm Pond Liners        |
| Modular Tank Liners     | Canal Liners            |
| Tunnel Liners           | Disposal Pit Liner      |
| Remediation Liners      | Water Containment Ponds |
| Earthen Liners          | Heap Leach Liner        |
| Interim Landfill Covers |                         |

# DURA♦SKRIM® KQ45B

SCRIM REINFORCED POLYPROPYLENE - MEETS GRI-GM18

		DURA♦SKRIM KQ45B			
		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	180 lbs/msf	195 lbs/msf	879 g/m <sup>2</sup>	952 g/m <sup>2</sup>
GRAB TENSILE AT BREAK	ASTM D7004	250 lbs	300 lbs	1112 N	1334 N
TENSILE ELONGATION AT BREAK	ASTM D7004	25 %	31 %	25 %	31 %
TONGUE TEAR STRENGTH	ASTM D5884	110 lbs	170 lbs	489 N	756 N
PUNCTURE RESISTANCE	ASTM D4833	90 lbs	120 lbs	400 N	534 N
HIGH PRESSURE OIT (HPOIT)	ASTM D5885	400 min	900 min	400 min	900 min
HYDRAULIC CONDUCTIVITY		1.1 x 10 <sup>-9</sup> cm/sec			
MAXIMUM STATIC USE TEMPERATURE		180° F		82° C	
MINIMUM STATIC USE TEMPERATURE		-70° F		-57° C	
FACTORY SEAM REQUIREMENTS					
BONDED SEAM STRENGTH	ASTM D7747	80 lbs/in width	120 lbs/in width	140 N/cm	210 N/cm
SEAM PEEL ADHESION	ASTM D7747	45 lbs/in width	65 lbs/in width	79 N/cm	114 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](http://www.ravenefd.com)

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