

PRODUCT DESCRIPTION

DURA♦SKRIM® NQ45B is a highly flexible geomembrane, reinforced with a closely knit 9x9 weft inserted polyester scrim fully encapsulated between two layers of highly UV stabilized polypropylene. Exceptional flexibility is achieved by incorporating high levels of ethylene propylene rubber into polypropylene along with a dense scrim reinforcement, resulting in excellent dimensional stability and physical properties.

DURA♦SKRIM® NQ-Series polypropylene membranes do not contain plasticizers that can leach out and hinder long-term flexibility and performance. DURA♦SKRIM® NQ45B provides outstanding resistance to environmental stress cracking even in elevated temperatures and chemical environments. DURA♦SKRIM® NQ-Series geomembranes are produced in the color black as standard, and are available in other custom manufactured colors with minimum order quantity requirements.

PRODUCT USE

DURA♦SKRIM® NQ45B is used in a wide variety of exposed and buried applications that require a unique combination of mechanical toughness, excellent flexibility, and environmental stress cracking resistance. The outer plies provide outstanding heat welding characteristics valued by Installers and fabricators. DURA♦SKRIM® NQ45B polypropylene geomembrane offers a high-friction angle reducing concerns for side slope stability.

DURA♦SKRIM® NQ45B meets the physical property values as stated in GRI test method GM18, and is certified under the NSF/ANSI Standard 61, Drinking Water System Components – Health Effects.

SIZE & PACKAGING

DURA♦SKRIM® NQ45B is 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 produced in a controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Waste Containment Liner

PRODUCT

PART

DURA♦SKRIM NQ450BB

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® NQ45B

REINFORCED FLEXIBLE POLYPROPYLENE – NSF/ANSI STANDARD 61 CERTIFIED

		DURA♦SKRIM® NQ45B			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black			
THICKNESS	ASTM D5199	40 mil	45 mil	1.02 mm	1.14 mm
WEIGHT	ASTM D751	180 lbf/msf	195 lbf/msf	879 g/m ²	952 g/m ²
CONSTRUCTION		9x9-1000 Denier PET scrim reinforced polypropylene			
³ TONGUE TEAR STRENGTH	ASTM D5884	90 lbf	120 lbf	400 N	534 N
² GRAB TENSILE AT BREAK	ASTM D7004	250 lbf	300 lbf	1112 N	1334 N
² TENSILE ELONGATION AT BREAK	ASTM D7004	25 %	35 %	25 %	35 %
PUNCTURE RESISTANCE	ASTM D4833	85 lbf	105 lbf	378 N	467 N
HIGH PRESSURE HPOIT	ASTM D5885	400 min	900 min	400 min	900 min
HYDRAULIC CONDUCTIVITY		1.11 x 10 ⁻⁹ cm/sec			
MAXIMUM STATIC USE TEMPERATURE		180° F		82° C	
MINIMUM STATIC USE TEMPERATURE		-70° F		-57° C	

² Tests are an average of primary reinforcement directions.

³ Tests are an average of machine and transverse directions.



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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

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