

# GEO◆SKRIM® NQ45BX1

1-SIDE TEXTURE REINFORCED POLYETHYLENE – NSF/ANSI STANDARD 61 CERTIFIED

## PRODUCT DESCRIPTION

GEO◆SKRIM® NQ45BX1 is a highly flexible single-side textured 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. GEO◆SKRIM® NQ45BX1 does not contain plasticizers that can leach out and hinder long-term flexibility and performance.

GEO◆SKRIM® NQ45BX1 contains SurGrip™ cast extrusion texture. The SurGrip™ textured surface consists of a diagonal cross-hatch pattern with uniformly raised self-draining threads. GEO◆SKRIM® NQ45BX1 provides outstanding resistance to environmental stress cracking, even in elevated temperatures and chemical environments. NQT-Series geomembranes are produced in the color black as standard, and is available in other custom manufactured colors with minimum order quantity requirements.

## PRODUCT USE

GEO◆SKRIM® NQ45BX1 is used for exposed or buried applications that require a unique combination of mechanical toughness, excellent flexibility, and environmental stress cracking resistance. The SurGrip™ surface texture provides an effective option for applications requiring an anti-skid or high friction surface between soil types and geosynthetic materials for steeper slope designs.

GEO◆SKRIM® NQ45BX1 is certified under the NSF/ANSI Standard 61, Drinking Water System Components – Health Effects.

## SIZE & PACKAGING

GEO◆SKRIM® NQ45BX1 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.



Containment Liner

## PRODUCT

## PART #

GEO◆SKRIM ..... NQ45BX1

## APPLICATIONS

- |                         |                         |
|-------------------------|-------------------------|
| Waste Lagoon Liners     | Heap Leach Liners       |
| Landfill Caps           | Tunnel Liners           |
| Canal Liners            | Earthen Liners          |
| Disposal Pit Liners     | Interim Landfill Covers |
| Water Containment Ponds | Mining Tailing Ponds    |

# GEO♦SKRIM® NQ45BX1

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PRO-FORMA DATA SHEET

		GEO♦SKRIM® NQ45BX1			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	MINIMUM	TYPICAL	MINIMUM	TYPICAL
APPEARANCE		Black/Black 1-Side Texture			
CORE THICKNESS	ASTM D5994	40 mil	45 mil	1.02 mm	1.14 mm
ASPERITY HEIGHT	ASTM D7466	16 mil	20 mil	0.41 mm	0.51 mm
WEIGHT	ASTM D751	185 lb/msf	195 lb/msf	903 g/m <sup>2</sup>	952 g/m <sup>2</sup>
CONSTRUCTION		Extrusion laminated with scrim reinforcement and one-side textured			
<sup>3</sup> TONGUE TEAR STRENGTH	ASTM D5884	90 lbf	120 lbf	400 N	534 N
<sup>2</sup> GRAB TENSILE AT BREAK	ASTM D7004	250 lbf	300 lbf	1112 N	1334 N
<sup>2</sup> 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	ASTM E96	1.11 x 10 <sup>-9</sup> cm/sec			
MAXIMUM STATIC USE TEMPERATURE		180° F		82° C	
MINIMUM STATIC USE TEMPERATURE		-70° F		-57° C	

<sup>2</sup> Tests are an average of primary reinforcement directions.  
<sup>3</sup> Tests are an average of machine and transverse directions.

PRO-FORMA SHEET CONTENTS: The data listed in the Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.

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. GeoCHEM, Inc. 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.



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