

DURA•SKRIM® KQ36B & KQ45B

Scrim Reinforced Polypropylene

RAVEN
INDUSTRIES

Product Description

DURA•SKRIM® KQ36B and KQ45B are flexible polypropylene reinforced geomembranes 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® KQ36B and KQ45B polypropylene membranes do not contain plasticizers that can leach out and hinder long-term flexibility and performance. DURA•SKRIM® KQ36B and KQ45B provide outstanding resistance to environmental stress cracking even in elevated temperatures and chemical environments.

Product Use

DURA•SKRIM® KQ36B and KQ45B are used in a wide variety of applications that require a unique combination of mechanical toughness, excellent flexibility, and environmental resistance. DURA•SKRIM® KQ36B and KQ45B polypropylene geomembranes also offer a high-friction angle reducing concerns for side slope stability.

Size & Packaging

DURA•SKRIM® KQ36B and KQ45B 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	KQ36B
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	

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PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	DURA♦SKRIM KQ36B		DURA♦SKRIM KQ45B	
		Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages
APPEARANCE		Black			
THICKNESS		32 mil	36 mil	40 mil	45 mil
WEIGHT LBS/MSF, (OZ/YD ²)		132 (19.0)	151 (21.7)	169 (24.3)	193 (27.8)
CONSTRUCTION		dense scrim reinforced polypropylene			
*PLY ADHESION - LBS/IN	ASTM D 6636	20 or FTB	23 or FTB	22 or FTB	24 or FTB
TENSILE STRENGTH - LBS/IN	ASTM D 7003	165 MD 160 TD	178 MD 166 TD	174 MD 171 TD	190 MD 179 TD
TENSILE ELONGATION AT BREAK % (FILM BREAK)	ASTM D 7003	780 MD 770 TD	850 MD 780 TD	790 MD 780 TD	850 MD 795 TD
TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7003	32 MD 32 TD	35 MD 35 TD	32 MD 32 TD	35 MD 35 TD
TONGUE TEAR STRENGTH - LBF	ASTM D 5884	155 MD 150 TD	170 MD 175 TD	180 MD 175 TD	184 MD 180 TD
GRAB TENSILE - LBF (SCRIM BREAK)	ASTM D 7004	245 MD 230 TD	270 MD 255 TD	260 MD 245 TD	270 MD 255 TD
GRAB TENSILE ELONGATION AT BREAK %	ASTM D 7004	25	32	25	32
HIGH PRESSURE OIT (HPOIT)	ASTM D 5885	400 min	665 min	400 min	665 min
PUNCTURE RESISTANCE - LBF	ASTM D 4833	108	112	115	135
MAXIMUM USE TEMPERATURE		180° F		180° F	
MINIMUM USE TEMPERATURE		-70° F		-70° F	

*Raven modified QC procedure

PRO-FORMA Sheet Contents:

The data listed in this 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.



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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.



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