

DURA-SKRIM® K36BT & K45BT

Textured Scrim Reinforced Polyethylene

RAVEN
INDUSTRIES

Product Description

DURA-SKRIM® K36BT and K45BT are unique textured scrim reinforced laminates manufactured using high strength virgin grade polyethylene resins. DURA-SKRIM® K36BT and K45BT are reinforced with a dense scrim reinforcement to maximize tear and puncture resistance. Both the single and double side textured K-Series are manufactured utilizing a cast extrusion process to achieve a consistent friction surface with uniform asperity heights. Raven's exclusive GeoGrip™ Technology consists of durable random spike pattern and bidirectional bars for uniform stabilization.

DURA-SKRIM® textured K-Series combines both the exceptional performance characteristics of our smooth K-Series and the integrated GeoGrip™ surface texture into a highly versatile geomembrane.

Product Use

DURA-SKRIM® textured K-Series high strength reinforcement along with the GeoGrip™ friction surface provides design engineers with new solutions for the most challenging projects. The GeoGrip™ texture provides increased friction between various soil and geosynthetic layers allowing for steeper slope designs. This is ideal for applications requiring exceptional slope stability such as landfill caps, mining leach pads and containment ponds.

Design professionals commonly perform direct shear tests with site soils and recommend geosynthetic materials to assure the best possible results.

Size & Packaging

DURA-SKRIM® K36BT and K45BT 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 Pond Liner

Product	Part #
DURA-SKRIM.....	K36BT1
DURA-SKRIM.....	K36BT2
DURA-SKRIM.....	K45BT1
DURA-SKRIM.....	K45BT2

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

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PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	K36BT1 (1-Side)		K36BT2 (2-Side)		K45BT1 (1-Side)		K45BT2 (2-Side)	
		Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages
APPEARANCE		Black	Black	Black	Black	Black	Black	Black	Black
THICKNESS		32 mil	36 mil	32 mil	36 mil	40 mil	45 mil	40 mil	45 mil
ASPERITY HEIGHT (PER SIDE)	ASTM D 7466		>20 mil		>20 mil		>20 mil		>20 mil
WEIGHT LBS/MSF, (oz/YD ²)		156 lbs (22.5)	173 lbs (25)	156 lbs (22.5)	173 lbs (25)	198 lbs (28.52)	220 lbs (31.70)	198 lbs (28.52)	220 lbs (31.70)
CONSTRUCTION		Textured Scrim Reinforced Polyethylene							
*PLY ADHESION	ASTM D 6636	31 lbs or FTB	34 lbs or FTB	31 lbs or FTB	34 lbs or FTB	34 lbs or FTB	38 lbs or FTB	34 lbs or FTB	38 lbs or FTB
TENSILE STRENGTH LBF/IN (N/CM)	ASTM D 7003	183 lbf MD 165 lbf TD	201 lbf MD 180 lbf TD	183 lbf MD 165 lbf TD	201 lbf MD 180 lbf TD	187 lbf MD 182 lbf TD	211 lbf MD 195 lbf TD	187 lbf MD 182 lbf TD	211 lbf MD 195 lbf TD
TENSILE ELONGATION AT BREAK % (FILM BREAK)	ASTM D 7003	580 MD 400 TD	633 MD 589 TD	580 MD 400 TD	633 MD 589 TD	630 MD 490 TD	797 MD 580 TD	630 MD 490 TD	797 MD 580 TD
TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7003	32 MD 30 TD	36 MD 33 TD	32 MD 30 TD	36 MD 33 TD	34 MD 31 TD	37 MD 33 TD	34 MD 31 TD	37 MD 33 TD
TONGUE TEAR STRENGTH	ASTM D 5884	112 lbf MD 96 lbf TD	122 lbf MD 106 lbf TD	112 lbf MD 96 lbf TD	122 lbf MD 106 lbf TD	150 lbf MD 123 lbf TD	159 lbf MD 132 lbf TD	150 lbf MD 123 lbf TD	159 lbf MD 132 lbf TD
GRAB TENSILE (SCRIM BREAK)	ASTM D 7004	340 lbf MD 325 lbf TD	354 lbf MD 338 lbf TD	340 lbf MD 325 lbf TD	354 lbf MD 338 lbf TD	378 lbf MD 361 lbf TD	408 lbf MD 372 lbf TD	378 lbf MD 361 lbf TD	408 lbf MD 372 lbf TD
GRAB TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7004	28 %	30 %	28 %	30 %	30 %	32 %	30 %	32 %
HIGH PRESSURE OIT (HPOIT)	ASTM D 5885	1000 min	2400 min	1000 min	2400 min	1000 min	2400 min	1000 min	2400 min
PUNCTURE RESISTANCE	ASTM D 4833	138 lbf	153 lbf	138 lbf	153 lbf	144 lbf	163 lbf	144 lbf	163 lbf
MAXIMUM USE TEMPERATURE			180° F		180° F		180° F		180° F
MINIMUM USE TEMPERATURE			-70° F		-70° F		-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.



Engineered Films Division
P.O. Box 5107
Sioux Falls, SD 57117-5107
Ph: (605) 335-0174 • Fx: (605) 331-0333

Limited Warranty available at www.RavenEFD.com

Toll Free: 800-635-3456
Email: efdsales@ravenind.com
www.ravenefd.com

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