

DURA♦SKRIM® K36BT, K40BT & K45BT

Textured Scrim Reinforced Polyethylene

RAVEN
INDUSTRIES

Product Description

DURA♦SKRIM® K36BT, K40BT and K45BT are unique textured scrim reinforced cast geomembranes manufactured using high strength virgin grade polyethylene resins. DURA♦SKRIM® textured K-Series is 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 spikes and bidirectional bars for uniform stabilization and support.

DURA♦SKRIM® textured K-Series combines both the exceptional performance characteristics of our smooth K-Series with the integrated GeoGrip™ surface texture providing a highly versatile geomembrane for use in many applications.

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, K40BT 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.....	K40BT2
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 |

DURA-SKRIM® K36BT, K40BT & K45BT

Textured Scrim Reinforced Polyethylene

PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	K36BT1 (1-Side)		K40BT2 (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		30 mil	32 mil	36 mil	40 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)		164 (23.6)	170 (24.4)	193 (27.8)	206 (29.7)	203 (29.2)	217 (31.2)	212 (30.5)	227 (32.7)
CONSTRUCTION		Textured Scrim Reinforced Polyethylene							
*PLY ADHESION - LBF/IN	ASTM D 6636	31 or FTB	35 or FTB	31 or FTB	36 or FTB	32 or FTB	36 or FTB	32 or FTB	36 or FTB
TENSILE STRENGTH - LBF/IN	ASTM D 7003	182 MD 148 TD	193 MD 173 TD	186 MD 165 TD	198 MD 185 TD	198 MD 169 TD	201 MD 186 TD	183 MD 180 TD	197 MD 193 TD
TENSILE ELONGATION AT BREAK % (FILM BREAK)	ASTM D 7003	415 MD 306 TD	441 MD 413 TD	441 MD 312 TD	460 MD 452 TD	350 MD 309 TD	422 MD 379 TD	356 MD 362 TD	488 MD 410 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	32 MD 32 TD	35 MD 35 TD	32 MD 32 TD	35 MD 35 TD
TONGUE TEAR STRENGTH - LBF	ASTM D 5884	168 MD 130 TD	175 MD 140 TD	172 MD 152 TD	175 MD 163 TD	148 MD 126 TD	155 MD 135 TD	152 MD 140 TD	177 MD 165 TD
GRAB TENSILE - LBF (SCRIM BREAK)	ASTM D 7004	310 MD 285 TD	318 MD 300 TD	280 MD 270 TD	300 MD 290 TD	315 MD 300 TD	327 MD 309 TD	332 MD 320 TD	341 MD 331 TD
GRAB TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7004	24	30	24	30	24	30	24	30
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 - LBF	ASTM D 4833	124	129	125	130	120	133	137	144
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.



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