

PRODUCT SPECIFICATION – TUBE SANDBAG

Revision 06-2026

600D Solution Dyed Polyester (Outer Shell)

Property	Specification	Test Method
Material	600D Solution Dyed Polyester	
Fabric Weight	6.8 oz/yd ² (230 g/m ²)	ASTM D3776
UV Resistance / Outdoor Life	6000 hr / 3 Years	Manufacturer Spec
Colorfastness to UV	Grade 4.5 @ 2,000 hr	AATCC 16.3
Flame Retardant	No	California TB117
Water Flow Rate	<.1 CFM (Water Resistant)	ASTM D737
Finish	Durable Water Repellent (DWR)	AATCC 22
Coating	2-Pass Polyurethane	Manufacturer Spec
Weave	Plain	
Fiber Content	100% Polyester	AATCC 20 / AATCC 20A
Yarn Size	600D Warp / 600D Fill	ASTM D1907
Yarn Count	48 × 28 per inch	ASTM D3775
Grab Tensile	373 × 257 lb Minimum	ASTM D5034
Tear Strength	30.0 × 23.5 lb Minimum	ASTM D2261
	171 Cycles to Yarn Break / 344	
Abrasion Resistance	Cycles to Hole	ASTM D3884
Flex Resistance		ASTM D6182

Polypropylene Webbing

Property	Specification	Test Method
Material	100% Polypropylene	Manufacturer Specification
Width	1.5 in. ± 1/32 in.	Manufacturer Specification
Tensile Strength	1,200 lb ± 5%	Manufacturer Specification
Weight	0.944 oz/yd / 26.72 g/yd avg.	Manufacturer Specification
Thickness	0.063 in. avg.	Manufacturer Specification
Colorfastness — Wet/Dry Crock	Grade 4–5	AATCC 8
UV Resistance	200 hr	AATCC 186 / ASTM D1148
Stitching	Lockstitch	Manufacturer Specification
Compliance	CA Prop 65 Required	Manufacturer Specification

HOOK & LOOP CLOSURE/FASTENER

Property	Specification	Test Method
Material	100% Woven Polyamide (Nylon)	Manufacturer Specification
Fastener Type	Sew-On Hook & Loop Tape	Visual Inspection
Back Coating	Polyurethane (PU) Resin	Manufacturer Specification
Operating Temperature	-20°C to +120°C (-4°F to +248°F)	Manufacturer Specification
Thickness – Hook	≥0.075 in (1.90 mm)	Dimensional Inspection
Thickness – Loop	≥0.075 in (1.90 mm)	Dimensional Inspection
Peel Strength	1.12 lb/in minimum	ASTM D5170
Shear Strength	11.4 lb/in² minimum	ASTM D5169
Colorfastness to Washing	Grade 4 or Better	AATCC TM61
Colorfastness to Water	Grade 4 or Better	AATCC TM107
Colorfastness to Crocking	Grade 4 or Better	AATCC TM8
Environmental Compliance	OEKO-TEX® Standard 100, Product Class I	Manufacturer Certification