

PRODUCT SPECIFICATION – DUAL-HANDLED SANDBAG

Revision 06-2026

1000D CORDURA® NYLON

Property	Specification	Test Method
Material	1000D Cordura® Nylon	
Fabric Weight	9.5 oz/yd ² (322 g/m ²)	ASTM D3776 / D3776M
Finish	Durable Water Repellent (DWR)	
Coating	3/4 oz Urethane	
Weave	Plain	
Fiber Content	100% Nylon 6,6	AATCC 20 / AATCC 20A
Yarn Size	1000D Warp / 1000D Fill	ASTM D1907
Yarn Count	24 × 23 per inch	ASTM D3775
Grab Tensile	420 lb × 370 lb	ASTM D5034
Tear Strength	30 lb × 25 lb	ASTM D2261
Abrasion Resistance	Excellent >3,000 cycles	ASTM D3884
Colorfastness to UV	Fair (Grade 2-3)	AATCC TM16.3
Water Flow Rate	<.1 CFM (Water Resistant)	ASTM D737
Flame Retardant	No	ASTM D6413

Note: Typical values for 1000D Cordura® nylon fabric construction. Values may vary by production lot.

#92 DOUBLE LOCK STITCH BAG CLOSURE

Property	Specification	Test Method
Thread Material	#92 Bonded Polyester	ASTM D204
Thread Tensile Strength	15 lb minimum	ASTM D2256
Seam Construction	Double Lockstitch	ASTM D6193
Seam Strength	100 lb minimum	ASTM D1683
Thread UV Resistance	Excellent	ASTM G154
Thread Colorfastness	Grade 4–5	AATCC TM16.3
Country of Origin	USA	Berry Amendment (10 U.S.C. § 4862)

Berry Amendment Compliant

This product shall comply with the requirements of the Berry Amendment (10 U.S.C. § 4862). All textile components including fabric, thread, labels, fill material, and sewing operations, shall be manufactured and conducted in the United States using qualifying domestic materials.

Polypropylene Webbing

Property	Specification	Test Method
Material	100% Polypropylene	Manufacturer Specification
Width	1.5 in. $\pm$ 1/32 in.	Manufacturer Specification
Tensile Strength	1,200 lb $\pm$ 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

6 Mil Vapor Barrier

Property	Specification	Test Method
Material	Low-Density Polyethylene (LDPE), Black	ASTM D4976
Thickness	6 mil (0.006 in / 0.15 mm) nominal	ASTM D374
Tensile Strength	2,000 psi minimum	ASTM D882
Elongation at Break	300% minimum	ASTM D882
Puncture Resistance	45 lb minimum	ASTM D4833
Water Vapor Transmission	$\leq$ 0.10 perms	ASTM E96
Water Absorption	<0.01%	ASTM D570
Chemical Resistance	Resistant to most acids, alkalis, and salts	ASTM D543
Service Temperature	-40°F to 160°F (-40°C to 71°C)	Manufacturer Standard

Steel Shot (25 & 50 lb Sizes)

Property	Specification	Test Method
Material	Low Carbon Cast Steel Shot	Manufacturer Specification
Composition	>96% Iron (Fe)	SDS Chemical Analysis
Shape	Near Spherical	Visual Inspection
Color	Light Gray / Silver	Visual Inspection
Specific Gravity	7.4 - 7.8	ASTM E12
Bulk Density	280 - 300 lb/ft ³	ASTM B527
Moisture Absorption	None	Material Characteristic
Water Solubility	Insoluble	Material Characteristic
Combustibility	Non-Combustible	SDS
Magnetic	Yes	Material Characteristic
Non-Hazardous	Yes	SDS

Chip Rock - #7 Coarse Aggregate (10 lb Size)
Physical & Material Properties

Property	Specification	Test Method
Material	Crushed Stone Aggregate	ASTM C33
Classification	#7 Coarse Aggregate	ASTM C33
Color	Natural Gray / Tan	—
Density (Unit Weight)	101.8 lb/ft ³	ASTM C29
Material Hardness	Quartz Based (Mohs ~7)	Mineral Hardness Scale
Bulk Specific Gravity (SSD)	2.781	ASTM C127
Bulk Specific Gravity (Dry)	2.768	ASTM C127
Apparant Specific Gravity	2.805	ASTM C127
Absorption	0.50%	ASTM C127
Voids in Aggregate	41.00%	ASTM C29

Aggregate Quality Characteristics

Property	Specification	Test Method
Fractured Faces (1 Face)	100%	ASTM D5821
Fractured Faces (2 Faces)	100%	ASTM D5821
Flat & Elongated Particles (3:1)	0.00%	ASTM D4791
Flat & Elongated Particles (5:1)	0.00%	ASTM D4791
LA Abrasion Loss (500 Rev)	21%	ASTM C131
Sodium Soundness Loss	0%	ASTM C88
Clay Lumps & Friable Particles	0.00%	ASTM C142
Lightweight Particles	0.00%	ASTM C123
Cleanliness Value (CV)	94	Nevada Test 228

Sieve Analysis

Sieve Size	Percent Passing
1"	100%
3/4"	100%
1/2"	98%
3/8"	61%
#4	2%
#8	1%
#16	1%
#30	1%
#50	1%
#100	1%
#200	0.50%

Chip Rock - #7 Coarse Aggregate (10 lb Size)

Functional Characteristics

Property	Specification
Fill Material	#7 Crushed Chip Rock
Source	Sloan, Nevada, USA
Weed-Free Status	NAISMA Certified Weed-Free Source Material
Particle Shape	Angular Crushed Aggregate
Compaction Characteristics	Moderate
Drainage Characteristics	Excellent
Dust Content	Very Low
Freeze-Thaw Durability	Excellent
Non-Hazardous	Yes
Recyclable	Yes
Combustibility	Non-Combustible
Water Solubility	Insoluble
UV Stability	Permanent Mineral Material
Shelf Life	Unlimited When Dry

DIMENSION

WEIGHT (lb)	L x W x H (in)	Fill
10 lb	18 x 8 x 3	Chip Sand
25 lb	18 x 8 x 3	Steel Shot
50 lb	20 x 12 x 3	Steel Shot

