

PRODUCT SPECIFICATION – CACTUS SANDBAGS®

Revision 06-2026

Cactus® Polypropylene Fabric

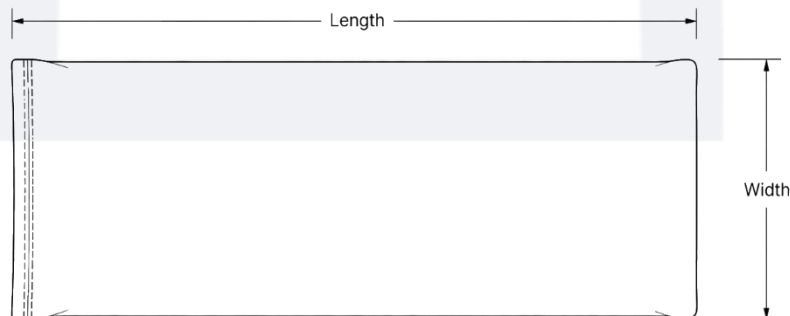
Property	Specification	Test Method
Material	Woven Polypropylene (WPP)	
Fabric Weight	79.8 gsm (2.35 oz/yd ²)	ASTM D3776
UV Resistance / Outdoor Life	4,000 hr / 2 Years*	ASTM G155*
Weave	12 × 12 Woven	Manufacturer Spec
Fiber Content	100% Polypropylene	AATCC 20
	1480 Denier Warp / 1480 Denier	
Yarn Size	Fill	ASTM D1907
Colorfastness to UV	Grade 4 Minimum	AATCC TM16
Flame Retardant	No	ASTM D6413
Water Flow Rate	High Permeability	ASTM D4491

*** UV Performance & Service Life** - The woven polypropylene fabric used in Cactus® Sandbags has successfully passed 2,000 hours of accelerated Xenon Arc weathering exposure. Long-term durability is further supported by real-world field performance. Since 2012, Sandbag Store has manufactured and sold Cactus® Sandbags for flood control, construction, and emergency management applications and has not documented a UV-related fabric failure within 26 months of initial outdoor use.

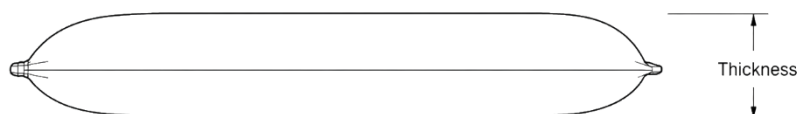
DIMENSION

WEIGHT (lb)	LENGTH (in)	WIDTH (in)	THICKNESS (in)
0	26.0	14.0	0
30	18.5	12.5	3
40	18.0	12.0	4
50	17.5	11.5	5

TOP VIEW



SIDE VIEW



Class 4S Masonry Sand

Physical & Material Properties

Property	Specification	Test Method
Material	Natural Silica Sand	ASTM C33
Classification	Fine Aggregate – Class 4S	ASTM C33
Color	Tan / Natural	
Density (Unit Weight)	116.5 lb/ft ³	ASTM C29
Material Hardness	Quartz Based (Mohs ~7)	Mineral Hardness Scale
Bulk Specific Gravity (SSD)	2.751	ASTM C128
Bulk Specific Gravity (Dry)	2.718	ASTM C128
Apparant Specific Gravity	2.81	ASTM C128
Absorption	1.20%	ASTM C128
Sand Equivalent	96	ASTM D2419
Fineness Modulus	3.09	ASTM C136
Voids in Aggregate	31.20%	ASTM C29
Weed-Free Status	NAISMA Certified Weed-Free Source	NV Dept of Agriculture
Organic Impurities	<3 Max	ASTM C40
Clay Lumps & Friable Particles	0.10%	ASTM C142
Lightweight Particles	0.00%	ASTM C123
Sodium Soundness Loss	0%	ASTM C88

Sieve Analysis

Sieve Size	Percent Passing	ASTM C33 Limits
3/8"	100%	100%
#4	100%	95-100%
#8	82%	80-100%
#16	54%	50-85%
#30	32%	25-60%
#50	17%	5-30%
#100	7%	0-10%
#200	3.30%	0-5%

Class 4S Masonry Sand**Functional Characteristics**

Property	Specification
Fill Material	ASTM C33 Fine Aggregate
Source	Sloan, Nevada, USA
Organic Content	Weed-Free Certified
Dust Content	Controlled per ASTM C33
Particle Shape	Natural Angular to Sub-Angular
Compaction Characteristics	Excellent
Drainage Characteristics	Moderate
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