

Mar-Pak, Inc. – Bulk Bag Catalog

Bulk Bag Sizing Chart

Diameter (filled)	36"	45"	48"	55"	50" Oblong					
Side Panel	(Empty dimensions, in inches, in between seams)									
Width	28x28	35x35	38x38	43x43	35x43					
Volume										
Cubic Feet	EH*	FH*	EH	FH	EH	FH	EH	FH	EH	FH
10	21 "	17"								
15	30	26"								
20	38"	34"	26"	22"	23"	19"			22"	18"
25	47"	43"	31"	27"	28"	24"	22"	18"	26"	22"
30	55"	51"	37"	33"	32"	28"	26"	22"	31"	27"
35	64"	60"	42"	38"	37"	33"	30"	26"	35"	31"
40			48"	44"	42"	38"	33"	29"	39"	35"
45			53"	49"	46"	42"	37"	33"	44"	40"
50			59"	55"	51"	47"	41 "	37"	48"	44"
55			64"	60"	56"	52"	44"	40"	53"	49"
60			70"	66"	60"	56"	48"	44"	57"	53"
65			75"	71 "	65"	61"	52"	48"	62"	58"
70			81"	77"	70"	66"	55"	51"	66"	62"
75			86"	82"	74"	70"	59"	55"	70"	66"
80			91"	87"	79"	75"	63"	59"	75"	71 "
85			97"	93"	84"	80"	66"	62"	79"	75"

***EH = Empty Height**

***FH = Filled Height**

Sizing Example:

Company wants to ship 2,200 Ibs. of alfalfa seed per bag.

1 What size container do you need?

2,200 Ibs. / 48 Ibs. per cubic foot (bulk density of alfalfa seed per cu.ft.) = 46
cU.ft. (Therefore a 46 cu.ft. Super Sack container is needed)

2 Next, you need to determine the Filled Height and Empty Height.

46 cU.ft. / .92 (factor - see chart below) = 50" Filled Height (+4" = Empty Height)

3 Your size would be:

35" x 35" x 54" (50" Filled Height) with a 45" dia. and 2,200 Ibs. product capacity.

Formulas: Diameter:

Filled Height of FIBC: 36"

CU.Ft. / Factor = FH"

Empty Height of FIBC: 48"

FH" + 4" = EH"

Cubic Feet Capacity of FIBC: 55"

Ultimate weight of FIBC /

bulk density of product = cU.ft. capacity

Diameter of FIBC:

Side panel between seam dimensions x

number of panels) / 3.146 = Dia.

Factor:

.588 .92

1.06

4

1.12

8

1.36

2

.229 (Barrel Bag container only)

Note: A four panel FIBC will round out after filling. Sizing calculations are based on a cylindrical form.