

BROWN PAPER DUNNAGE BAGS

CARGO HANDLING & PROTECTION SOLUTIONS

**A SUPERIOR SOLUTION
TO PREVENT CARGO
DAMAGE DUE TO
LOAD SHIFTING**

GENERAL APPLICATIONS

BUFFERS USA® dunnage bags are the convenient way to protect your goods from being damaged during shipping by preventing load shifting when transporting boxed, palletized or different/odd-shaped products/packages.

Dunnage bags are also a less expensive means of blocking and bracing than the use of lumber and nails or expensive rubber air bags. BUFFERS USA offers both polypropylene and paper dunnage bags.

KRAFT PAPER DUNNAGE BAGS

Safety: Provides safe protection against load shifting.

Cost-Effective: Less expensive than polypropylene bags.

Practical: One-time use, suitable for export shipments.

Sturdy Construction: Made from multiple layers (2, 4, 6 or 8-ply) of high-strength Kraft paper with an inflatable internal polyethylene bladder.

Note: Not suitable for wet or moist cargo.

ORDERING INFORMATION

1) Choose Your Strength based on mode of transport:

Paper Ply	Mode of Transport	Strength
2-ply	Truck & Intermodal	Max: 3 psi (0.21 bar or kg/cm ²)
4-ply	Intermodal container	Max: 4 psi (0.28 bar or kg/cm ²)
6-ply	Normal rail use	Max: 6 psi (0.41 bar or kg/cm ²)

2) Determine Size: Specify bag size(s) at about 90% of width and length of each void space.

3) Select Bag from the following charts based on above requirements & measurements:

KRAFT PAPER DUNNAGE BAGS

All sizes available in 2-, 4- and 6-ply (90 combinations of ply/size models)

WIDTHS	LENGTHS					
20" (500 mm)	24" (600 mm)	60" (1,500 mm)				
24" (600 mm)	32" (800 mm)	36" (900 mm)				
32" (800 mm)	48" (1,200 mm)	63" (1,600 mm)	95" (2,400 mm)	102" (2,600 mm)		
36" (900 mm)	36" (900 mm)	40" (1,200 mm)	60" (1,500 mm)	71" (1,800 mm)	89" (2,250 mm)	96" (2,440 mm)
40" (1,000 mm)	48" (1,200 mm)	60" (1,500 mm)	71" (1,800 mm)	87" (2,200 mm)		
48" (1,200 mm)	48" (1,200 mm)	71" (1,200 mm)	84" (2,135 mm)	96" (2,440 mm)	102" (2,600 mm)	

Part number starts with prefix 2910, then number of ply, then size (widthlength), then "P" for paper.

For example: **2910-L1-2024-P** or **2910-L2-48102-P**.

ORDERING INFORMATION

1) Choose Your Strength Based On Mode Of Transport:

Polypropylene Level	Paper Ply	Mode of Transport	Strength
Level 1 (L1)	2-ply	Truck	Max: 3 psi (0.21 bar or kg/cm ²)
Level 2 (L2)	4-ply	Intermodal container	Max: 4 psi (0.28 bar or kg/cm ²)
Level 3 (L3)	6-ply	Normal rail use	Max: 6 psi (0.41 bar or kg/cm ²)
Level 4 (L4)	8-ply	Over 160,000 lbs. in rail car	Max: 7 psi (0.48 bar or kg/cm ²)
Level 5 (L5)		Over 200,000 lbs. load in rail car (High Cube car)	Max: 8 psi (0.55 bar or kg/cm ²)

2) **Determine Size:** Specify bag size(s) at about 90% of width and length of each void space.

3) **Select Bag From The Following Charts** Based On Above Requirements/Measurements:

REUSABLE POLYPROPYLENE DUNNAGE BAGS

Sizes Available For Levels 1, 2, 3, 4 and 5 (145 combinations of level/size models):

30" WIDE	36" WIDE	46.5" WIDE	57.5" WIDE
30" x 30" (726 mm x 726 mm)	36" x 36" (914 mm x 914 mm)	46.5" x 48" (1,181 mm x 1,219 mm)	57.5" x 96" (1,461 mm x 2,438 mm)
30" x 48" (726 mm x 1,219 mm)	36" x 48" (914 mm x 1,219 mm)	46.5" x 60" (1,181 mm x 1,524 mm)	57.5" x 108" (1,461 mm x 2,743 mm)
30" x 60" (712 mm x 1,524 mm)	36" x 60" (914 mm x 1,524 mm)	46.5" x 72" (1,181 mm x 1,828 mm)	57.5" x 120" (1,461 mm x 3,048 mm)
30" x 72" (726 mm x 1,828 mm)	36" x 66" (914 mm x 1,676 mm)	46.5" x 84" (1,181 mm x 2,134 mm)	
30" x 84" (726 mm x 2,134 mm)	36" x 72" (914 mm x 1,828 mm)	46.5" x 96" (1,181 mm x 2,438 mm)	
30" x 96" (726 mm x 2,438 mm)	36" x 84" (914 mm x 2,134 mm)	46.5" x 102" (1,181 mm x 2,591 mm)	
30" x 102" (726 mm x 2,591 mm)	36" x 96" (914 mm x 2,438 mm)	46.5" x 108" (1,181 mm x 2,743 mm)	
30" x 108" (726 mm x 2,743 mm)	36" x 102" (914 mm x 2,591 mm)	46.5" x 120" (1,181 mm x 3,048 mm)	
	36" x 108" (914 mm x 2,743 mm)	46.5" x 132" (1,181 mm x 3,353 mm)	

KRAFT PAPER DUNNAGE BAGS

All sizes available in 2-, 4-, 6- and 8-ply (100 combinations of ply/size models):

WIDTHS	LENGTHS					
20" (500 mm)	24" (600 mm)					
32" (800 mm)	48" (1,200 mm)	63" (1,600 mm)	95" (2,400 mm)	102" (2,600 mm)		
36" (900 mm)	40" (1,000 mm)	48" (1,200 mm)	60" (1,500 mm)	71" (1,800 mm)	87" (2,200 mm)	95" (2,400 mm)
40" (1,000 mm)	48" (1,200 mm)	60" (1,500 mm)	71" (1,800 mm)	87" (2,200 mm)	95" (2,400 mm)	
48" (1,200 mm)	71" (1,800 mm)	87" (2,200 mm)	95" (2,400 mm)	102" (2,600 mm)		

BUFFERS USA 

Securing Your Containers. Protecting Your Cargo.
At Sea. Over Land. On Rail.™

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