

*“Dunnage Bags Specialists”*

# Specification Sheet: 90X90 PP Level 1

**CONSTRUCTION:**

- 1 x Polyethylene Inner Bag
- 1 x Woven Polypropylene Outer Layer
- High Flow Valve

**SIZE:**

- Height: 90 CM
- Width: 90 CM
- Tolerance: 3.5%

**STRENGTH:**

- Working pressure: 0,2 BAR or 20 KPA or 2,9 PSI
- Bursting pressure: 0,6 BAR or 60 KPA or 8,7 PSI at 30 CM void
- Safety factor: 3

**WORKING EFFECTIVE FORCE BEING EXERCISED AGAINST CARGO IN KGS:**

GAP	CONTACT SURFACE	FORCE AT WORKING PRESSURE
20 CM	6100 CM <sup>2</sup>	1200 KGS
30 CM	4900 CM <sup>2</sup>	900 KGS
40 CM	2800 CM <sup>2</sup>	600 KGS

**MAXIMUM EFFECTIVE FORCE BEING EXERCISED AGAINST CARGO IN KGS:**

GAP	CONTACT SURFACE	FORCE AT BURSTING PRESSURE
20 CM	6100 CM <sup>2</sup>	5500 KGS
30 CM	4900 CM <sup>2</sup>	3000 KGS
40 CM	2800 CM <sup>2</sup>	1300 KGS

The effective force depends on the size of the dunnage bag and the gap between the cargos. The table above indicates the load that the various sizes of airbags can withstand in a gap of 20, 30 and 40 CM. As an example, in gap of 20 CM a 90X90 PP Level 1 dunnage bag can withstand loads up to 5500 KGS.

We are waiting for your inquiries!