

*“Dunnage Bags Specialists”*

# Specification Sheet: 90X180 Heavy

**CONSTRUCTION: 4-PLY**

- 1 x Polyethylene
- 4 x Wet Strength Kraft Paper
- High Flow Valve

**SIZE:**

- Height: 180 CM
- Width: 90 CM
- Tolerance: 3.5%

**STRENGTH:**

- Working pressure: 0,4 BAR or 40 KPA or 5,8 PSI
- Bursting pressure: 1,2 BAR or 120 KPA or 17,4 PSI
- Safety factor: 3

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

GAP	CONTACT SURFACE	FORCE AT WORKING PRESSURE
20 CM	12200 CM <sup>2</sup>	4880 KGS
30 CM	9500 CM <sup>2</sup>	3800 KGS
40 CM	5500 CM <sup>2</sup>	2200 KGS

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

GAP	CONTACT SURFACE	FORCE AT BURSTING PRESSURE
20 CM	12200 CM <sup>2</sup>	19520 KGS
30 CM	9500 CM <sup>2</sup>	9500 KGS
40 CM	5500 CM <sup>2</sup>	4400 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 90 X 180 HEAVY dunnage bag can withstand loads up to 19520 KGS.

In case of any questions do not hesitate to contact us.