

Snow Loads - Test report

Purpose:	Test Loads for snow	
Date:	220125	
Volume inflated:	3050	Litre
Pressure:	0.4	Bar
Temperature:	8	°C
Test area	1.2	m2
Small Valve:	Bravo 2005 Grey, Scoprega Italy	
Large Valve:	Monsun MV XII, Monsun Sweden	
Responsible operators:	Remy Skogstrand, Kalle Skogstrand	



Product	Weight on top (kg)	Deflection (%)	Weight (kg/m2)	Est. snow height (cm)	Air volume (L)	Pressure (bar)	Inflation time (min)
WIAT 4.8	75	0%	63	21	3050	0.4	1.2
WIAT 4.8	175	0%	146	50	3050	0.4	1.2
WIAT 4.8	275	1%	229	79	3050	0.4	1.2
WIAT 4.8	350	3%	292	100	3050	0.4	1.2
WIAT 4.8	450	6%	375	129	3050	0.4	1.2
WIAT 4.8	625	8.2%	521	179	3050	0.4	1.2

Note:

WIAT was not fastned to grund, but connected with the connection straps at the bottom.