

Meteorological/Weather Balloon

Our meteorological/weather balloons are made from natural rubber latex compound with several of additives which can highly improve its resistance to high & low temperature, oxidation and ozone. By making use of most advanced technology and modernized equipment, we provide balloons with the highest quality for customers. Our meteorological/weather balloons are properly powdered for longer shelf life with proper marking on the neck of each balloon. Each balloon is packed in a individual polythene packing and then multiple balloons are packed in small boxes. Each small inner box is properly labelled. All the small boxes are reassembled in bigger box as per lot required by customer. The outer bigger boxes and further labelled with proper marking for easy identifications.

The detailed specifications are as under:

Balloon Type	Weight (g)	Neck Length (cm)	Neck Diameter (cm)	Bursting Diameter (cm)	Average Bursting Altitude (km)	Color	Average Rate of Ascent (m/min)
Ceiling & Pilot Balloon	10 ⁺⁴	6.0 ± 1.0	2.2 ± 0.3	≥700	8	Red, Black or Natural	100
	30 ⁺⁸	8.0 ± 1.0	2.8 ± 0.3	≥1100	11		200
	50 ⁺¹⁰	8.0 ± 1.0	2.9 ± 0.3	≥1250	13		
	100 ⁺¹⁸	9.0 ± 1.0	3.0 ± 0.3	≥2000	16		
	140 ⁺²⁰	9.0 ± 1.0	3.1 ± 0.3	≥2000	17		
Sounding Balloon	200 ⁺²⁵	12.0 ± 2.0	3.5 ± 0.3	≥2970	18	Natural	≥340
	300 ⁺³⁰	12.0 ± 2.0	4.3 ± 0.3	≥4300	19		
	350 ⁺³⁵	12.0 ± 2.0	4.4 ± 0.3	≥4800	24		
	500 ⁺⁴⁵	12.0 ± 2.0	5.1 ± 0.3	≥5800	26		
	600 ⁺⁴⁵	12.0 ± 2.0	5.4 ± 0.3	≥6500	27		
	750 ⁺⁴⁵	13.0 ± 2.0	5.4 ± 0.3	≥6900	28		
	800 ⁺⁵⁰	13.0 ± 2.0	5.7 ± 0.3	≥7000	30		
	1000 ⁺¹⁰⁰	13.0 ± 2.0	5.9 ± 0.3	≥8000	32		
	1200 ⁺¹⁵⁰	14.0 ± 2.0	6.0 ± 0.3	≥9100	33		
	1600 ⁺¹⁵⁰	14.0 ± 2.0	7.8 ± 0.4	≥10000	36		
	2000 ⁺²⁰⁰	14.0 ± 2.0	7.9 ± 0.4	≥10000	38		
3000 ⁺²⁰⁰	14.0 ± 2.0	8.0 ± 0.4	≥12000	40			