James Heal
Extraordinary Testing Solutions

FAQ

TruBurst

Standards, Domes and Diaphragms

✓**P** = Preferred test area.

Standard	Area (cm^2)	7.3	7.8	10	50	100	Diaphragm
	Ø (mm)	30.5	31.5	35.7	79.8	112.8	
ISO 13938-2:1999	Textile	✓		✓	✓**P**	✓	777-133
ASTM D 3786-06	Textile	✓					777-133
GB/T 7742.2-2015	Textile	✓		✓	✓**P**	✓	777-133
NEXT TM22:2006	Textile	✓					777-133
WOOLMARK TM29:2000	Textile	✓					777-133
ISO 2758:2003	Paper		✓				777-133
EDANA 80.3-99	Nonwoven	✓		✓	✓**P**	✓	777-133
WSP 30.2(05)	Nonwoven	✓		✓	✓**P**	✓	777-133
Adidas 4.09	Textile				✓		777-134
Marks & Spencer P27	Textile				✓		777-134
Marks & Spencer P27	Lace	✓					777-134

There is no significant difference in the bursting strength results achieved using pneumatic or hydraulic burst testers, for pressures up to 800 kPa. This pressure range covers the majority of performance levels expected for general apparel (see ISO 13938-2).

Other test areas may be used as indicated in the table above. Other test areas can be used if the preferred test area is not applicable or due to high or low expansion of the specimen, or by mutual agreement. Use of a greater test area may result in being able to burst a specimen which might otherwise exceed the range of the apparatus. Results obtained with one test area are not directly comparable with results from a different test area. Smaller test areas are preferred for fabrics containing elastane yarns.

Diaphragms: 777-133 are 1mm thick, reinforced and blue in colour; 777-134 are 1mm thick, plain and green in colour. A 1.5mm thick reinforced diaphragm is also available (777-135). For low pressure applications a 0.2mm plain diaphragm is available (777-150).