

APPENDIX 1

Table A 1 Effect of yarn type on wetting of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	228017.3	3	76005.77	14236.25	2.22E-55	2.866266
Within Groups	192.2	36	5.338889			
Total	228209.5	39				

Table A 2 Effect of yarn type to absorb 1 ml of water of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	115378.1	3	38459.37	12473.31	2.39E-54	2.866266
Within Groups	111	36	3.083333			
Total	115489.1	39				

Table A 3 Effect of yarn type to spread 1 ml of water on face side of top layer of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	15303.8	3	5101.267	2774.103	1.27E-42	2.866266
Within Groups	66.2	36	1.838889			
Total	15370	39				

Table A 4 Effect of yarn type to spread 1 ml of water on face side of bottom layer of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	37716.5	3	12572.17	6374.62	4.16E-49	2.866266
Within Groups	71	36	1.972222			
Total	37787.5	39				

Table A 5 Effect of yarn type to absorb water in reaching saturation of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	114711.7	3	38237.23	18064.83	3.06E-57	2.866266
Within Groups	76.2	36	2.116667			
Total	114787.9	39				

Table A 6 Effect of yarn type to spread water in reaching saturation of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	29380.48	3	9793.492	5483.137	6.23E-48	2.866266
Within Groups	64.3	36	1.786111			
Total	29444.78	39				

Table A 7 Effect of yarn type on wicking in wale wise direction of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	91.04275	3	30.34758	2500.03	8.18E-42	2.866266
Within Groups	0.437	36	0.012139			
Total	91.47975	39				

Table A 8 Effect of yarn type on wicking in course wise direction of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	93.446	3	31.14867	1519.447	6.04E-38	2.866266
Within Groups	0.738	36	0.0205			
Total	94.184	39				

Table A 9 Effect of yarn type on moisture vapour transfer in reduction in height of water of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	558.1348	3	186.0449	5512.442	5.66E-48	2.866266
Within Groups	1.215	36	0.03375			
Total	559.3498	39				

Table A 10 Effect of yarn type on moisture vapour transfer in reduction in weight of water of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	148.0828	3	49.36094	11211.32	1.63E-53	2.866266
Within Groups	0.1585	36	0.004403			
Total	148.2413	39				

Table A 11 Effect of yarn type on drying rate of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	268.001	3	89.33367	4800.018	6.79E-47	2.866266
Within Groups	0.67	36	0.018611			
Total	268.671	39				

Table A 12 Effect of yarn type on air permeability of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1544.6	3	514.8667	320.6782	5.13E-26	2.866266
Within Groups	57.8	36	1.605556			
Total	1602.4	39				

Table A 13 Effect of yarn type on thermal conductivity of double-face knitted fabrics

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.002946	3	0.000982	720.0672	3.54E-32	2.866266
Within Groups	4.91E-05	36	1.36E-06			
Total	0.002995	39				

