## PIONEER DENIM LIMITED

Madhabpur, Habiganj, Bangladesh

## Yarn consumption formula KG/Yards

Total ends X Warp Ratio 840 X 2.2046 X Count X Total Ratio X (Crimp % + Shrinkage % + Rejection 3%) Warp =

Weft (Airjet) = 840 X 2.2046 X Count X Total Ratio

(Read Space + 6 inch) X Greige PPI X Weft Ratio
X (Shrinkage % + Rejection 3%) Weft (Rapier) = 840 X 2.2046 X Count X Total Ratio

For Example:

Greige construction : 7rsl X 6oe / 66X39 Finish construction : 7rsl X 6oe / 70X44

**Total Ends** : 4942 **Read Space** : 74.88 Warp Ratio : 100% Weft Ratio : 100% Crimp%

Shrinkage% : {(Finish PPI - Greige PPI) / Finish PPI } X 100

: {(44-39)/44}\*100 = 11.3636

## Yarn consumption Kg/Yds:

4942 X 100 Warp = -X (3% + 12% + 13.64% + 5%) 840 X 2.2046 X 7 X 100

= 0.3812

Hard Waste Crimp Shrinkage Rejection Remarks

0.3812 0.4332 0.4888 0.5039 Crimp 12% + Shrinkage 11.364% + Rejection 3%

(Read Space + 3 inch) X Greige PPI -X (Shrinkage % + Rejection 3%) Weft (Airjet)= 840 X 2.2046 X Count

(74.88+3) X 39 X 100 X (Shrinkage % + 3%)

840 X 2.2046 X 6 X100

= 0.2734

Shrinkage Rejection Remarks

0.3084 0.2734 0.3179 Shrinkage 11.364% + Rejection 3%

(Read Space + 6 inch) X Greige PPI X (Shrinkage % + Rejection 3%) Weft (Rapier)= 840 X 2.2046 X Count

(74.88+6) X 39 X 100 X (Shrinkage % + 3%)

840 X 2.2046 X 6 X100

= 0.2839

Shrinkage Rejection Remarks

0.2839 0.3203 0.3302 Shrinkage 11.364% + Rejection 3%

Note: Each Article Shrinkage% & Crimp% is different or Actual test data.