

Water consumption and median raw waste concentrations by subcategory

| Subcategory | Water Usage (L/kg) | | | BOD (mg/L) | COD (mg/L) | COD/ BOD | TSS (mg/L) | O&G (mg/L) | Phenol (µg/L) | Chromium (µg/L) | Sulphide (µg/L) | Colour APHA Units |
|-------------------------------------|--------------------|-------|-------|---------------|---------------|-------------|---------------|---------------|------------------|--------------------|--------------------|-------------------------|
| | Min. | Mod. | Max. | | | | | | | | | |
| 1. Wool scouring | 4.2 | 11.7 | 77.6 | 2,270 | 7,030 | 3.1 | 3,310 | 580 | ID | ID | ID | ID |
| 2. Wool finishing | 110.9 | 283.6 | 657.2 | 170 | 590 | 3.5 | 60 | ID | ID | ID | ID | ID |
| 3. Low water use Processing | 0.8 | 9.2 | 140.1 | 293 | 692 | 2.4 | ID | ID | ID | ID | ID | ID |
| 4. Woven fabric finishing | | | | | | | | | | | | |
| a. Simple processing | 12.5 | 78.4 | 275.2 | 270 | 900 | 3.3 | 60 | 70 | 50 | 40 | 70 | 800 |
| b. Complex processing | 10.8 | 86.7 | 276.9 | 350 | 1,060 | 3.0 | 110 | 45 | 55 | 110 | 100 | ID |
| c. Complex processing plus desizing | 5.0 | 113.4 | 507.9 | 420 | 1,240 | 3.0 | 155 | 70 | 145 | 1,100 | ID | ID |
| 5. Knit fabric finishing | | | | | | | | | | | | |
| a. Simple processing | 8.3 | 135.9 | 392.8 | 210 | 870 | 4.1 | 55 | 85 | 110 | 80 | 55 | 400 |
| b. Complex processing | 20.0 | 83.4 | 377.8 | 270 | 790 | 2.9 | 60 | 50 | 100 | 80 | 150 | 750 |
| c. Hosiery processing | 5.8 | 69.2 | 289.4 | 320 | 1,370 | 4.5 | 80 | 100 | 60 | 80 | 560 | 450 |
| 6. Carpet finishing | 8.3 | 46.7 | 162.6 | 440 | 1,190 | 2.7 | 65 | 20 | 130 | 30 | 180 | 490 |
| 7. Stock and yarn finishing | 3.3 | 100.1 | 557.1 | 180 | 680 | 3.77 | 40 | 20 | 170 | 100 | 200 | 570 |
| 8. Nonwoven finishing | 2.5 | 40.0 | 82.6 | 180 | 2,360 | 13.1 | 80 | ID | ID | ID | ID | ID |
| 9. Felted fabric finishing | 33.4 | 212.7 | 930.7 | 200 | 550 | 2.75 | 120 | 30 | 580 | ID | ID | ID |

O&G = oil and gas.

ID = insufficient data to report values.

Source: USEPA, *Best Management Practices for Pollution Prevention in the Textile Industry*, 1996

Water consumption and median raw waste loads by subcategory

| Subcategory | Water Usage (L/kg) | | | BOD (Kg/ ton) | COD (Kg/ ton) | TSS (Kg/ ton) | O&G (Kg/ ton) | Phenol (g/ ton) | Chromium (g/ ton) | Sulphide (g/ ton) |
|--|--------------------|-------|-------|------------------|------------------|------------------|------------------|--------------------|----------------------|----------------------|
| | Min. | Mod. | Max. | | | | | | | |
| 1. Wool scouring | 4.2 | 11.7 | 77.6 | 41.8 | 1289 | 43.1 | 10.3 | ID | ID | ID |
| 2. Wool finishing | 110.9 | 283.6 | 657.2 | 59.8 | 204.8 | 17.2 | ID | ID | ID | ID |
| 3. Low water use Processing | 0.8 | 9.2 | 140.1 | 2.3 | 14.5 | 1.6 | ID | ID | ID | ID |
| 4. Woven fabric finishing | | | | | | | | | | |
| a. Simple processing | 12.5 | 78.4 | 275.2 | 22.6 | 92.4 | 8.0 | 9.1 | 8.2 | 4.3 | 7.6 |
| b. Complex processing | 10.8 | 86.7 | 276.9 | 32.7 | 110.6 | 9.6 | 3.8 | 7.7 | 2.6 | 12.5 |
| c. Complex processing plus desizing | 5.0 | 113.4 | 507.9 | 45.1 | 122.6 | 14.8 | 4.1 | 13.1 | 20.9 | ID |
| 5. Knit fabric finishing | | | | | | | | | | |
| a. Simple processing | 8.3 | 135.9 | 392.8 | 27.7 | 81.1 | 6.3 | 4.0 | 8.7 | 7.8 | 13.0 |
| b. Complex processing | 20.0 | 83.4 | 377.8 | 22.1 | 115.4 | 6.9 | 3.5 | 12.0 | 4.7 | 14.0 |
| c. Hosiery processing | 5.8 | 69.2 | 289.4 | 26.4 | 89.4 | 6.7 | 6.6 | 4.2 | 6.4 | 23.8 |
| 6. Carpet finishing | 8.3 | 46.7 | 162.6 | 25.6 | 82.3 | 4.7 | 1.1 | 11.3 | 3.4 | 9.4 |
| 7. Stock and yarn finishing | 3.3 | 100.1 | 557.1 | 20.7 | 62.7 | 4.6 | 1.6 | 15.0 | 12.0 | 27.8 |
| 8. Nonwoven finishing | 2.5 | 40.0 | 82.6 | 6.7 | 38.4 | 2.2 | ID | ID | 0.5 | ID |
| 9. Felted fabric finishing | 33.4 | 212.7 | 930.7 | 70.2 | 186.0 | 64.1 | 11.2 | 247.4 | ID | ID |

O&G = oil and gas.

ID = insufficient data to report values.

Source: USEPA, Best Management Practices for Pollution Prevention in the Textile Industry, 1996