

## ExcelFiber Coir Yarn Specifications (CY400 / CY700 / CY900)

Test	Method	Mean(CY 400/ CY 700/ CY 900)	SD(CY 400 / CY 700 / CY900)	CV%
Mass per unit area (oz/SY)	ASTM D5261	12.18 / 21.57 / 29.61	0.71 / 1.48 / 1.67	5.83 / 6.84 / 5.66
Thickness (mm) @ 2kPa	ASTM D5199	7.73 / 8.05 / 8.68	0.66 / 0.75 / 0.71	8.53 / 9.33 / 8.23
Tensile Strength	ASTM D4595			
M-WAY Tensile Strength (lb/yd)		2226.65 / 4144.9 / 5082.43	199.43 / 470.82 / 345.41	8.96 / 11.38 / 6.78
M-WAY Extension % at max.load		27.9 / 26.9 / 32.7	5.63 / 5.14 / 1.28	20.15 / 19.08 / 3.90
X-WAY Tensile Strength (lb/yd)		1334.34 / 2095.06 / 3277.26	154.2 / 131.58/ 427.65	11.53 / 6.24 / 13.07
X-WAY Extension % at max.load		29 / 26.8 / 22.90	6.08 / 1.53 / 1.87	20.97 / 5.7 / 8.19
Wet Tensile Strength				
M-WAY Tensile Strength (lb/yd)		1848.34 / 3815.94 / 4301.15	170.65 / 464.66 / 433.82	9.24 / 12.16 / 10.09
M-WAY Extension % at max.load		28.1 / 31.1 / 33.5	1.73 / 1.76 / 4.20	6.13 / 5.65 / 12.53
X-WAY Tensile Strength (lb/yd)		1108.18 / 1772.27 / 3014.10	185.04 / 180.93 / 596.24	16.7 / 10.23 / 19.79
X-WAY Extension % at max.load		28.7 / 27.2 / 26.9	5.67 / 2.01 / 3.33	19.73 / 7.38 / 12.39

### Coir Yarn Applications

- Road embankments
- Soil erosion control
- Re vegetation
- River\_bank protection
- Ski slopes and ski lift tracks
- Hill side slopes
- Soil bio-engineering
- Re sediment projects
- Landscaping
- Mining and wastelands
- Golf courses
- Stream bank stabilization
- Roof gardening

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