

Technical Specifications for
Nedia KoirMat™ 900

Nedia KoirMat™ 900 is a woven fabric of high strength coir twine made from well-cleaned, fresh water cured coconut fiber, It naturally absorbs and retains water while retaining its integrity and providing an ideal microclimate for the growth of vegetation.

Property	Test Method	Typical Value	
		English Units	Metric Units
Material	n/a	Woven matting of coir made from high strength coconut fiber	
Color	n/a	Natural / Earth tone	
Thickness	ASTM D 5199	0.35 in.	9 mm
Mass per unit area min	ASTM D 5261	26.5 oz/sq.yd	900 gms/sq.m
Wide width tensile - Dry MD X CD	ASTM D 4595	1968 x 1416 lbs/ft	27.7 x 20.6 kN/m
Wide width tensile - Wet MD X CD	ASTM D 4595	1260 x 768 lbs/ft	18.3 x 11.2 kN/m
Maximum Elongation - Dry MD X CD	ASTM D 4595	46% x 34%	
Maximum Elongation - Wet MD X CD	ASTM D 4595	43% x 36%	
Flexural Rigidity (Stiffness)	ASTM D 1388	14019 x 9329 mg -cm	
Slope (Recommended)	Observed	> 1:1	
Water Absorption	ASTM D 1117	132%	
Water Velocity	Flume Tests	16 ft/sec	4.9 m/sec
Shear Stress	Flume Tests	5.0 psf	239 N/sq.m
"C" Factor	Flume Tests	0.003	
Open Area	Measured	39%	
Functional Longevity	Observed	4-6 years	
UV Stability	ASTM D 4355	80% min @ 500 hrs	

Standard Roll Sizes: 6.56' x 165' (2m x 50m) – 120 sy/roll 13.1' x 83' (4m x 25m) – 120 sy/roll

13.1' x 165' (4m x 50m) – 240 sy/roll

