



Ten Cate Nicolon

TECHNICAL DATA SHEET

Miragrid[®] 18XT

Miragrid[®] 18XT is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid[®] 18XT is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
			Machine Direction
Tensile Strength (at ultimate)	ASTM D 4595	kN/m (lbs/ft)	136.6 (9360)
Tensile Strength (at 5% strain)	ASTM D 4595	kN/m (lbs/ft)	64.8 (4440)
Creep Reduced Strength	ASTM D 5262	kN/m (lbs/ft)	81.9 (5616)
Long Term Allowable Design Load*	GRI GG-4	kN/m (lbs/ft)	67.7 (4641)

* NOTE: Long Term Allowable Design values are for sand, silt and clay.

Physical Properties	Test Method	Unit	Typical Value
Grid Aperture Size (machine direction)	--	mm (in)	81 (3.2)
Grid Aperture Size (cross machine direction)	--	mm (in)	12 (0.5)
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	617 (18.2)
Roll Dimensions (length x width)	--	m (ft)	3.6 (12) x 61 (200)
Roll Area	--	m ² (yd ²)	220 (266.6)
Estimated Roll Weight	---	kg (lbs)	149 (328)

DISCLAIMER: Ten Cate Nicolon warrants our products to be free from defects in material and workmanship when delivered to Ten Cate Nicolon's customers and that our products meet our published specifications. Contact your local Ten Cate Nicolon Representative for detailed product specification and warranty information.