



# Miragrid<sup>®</sup> 10XT

Miragrid<sup>®</sup> 10XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid<sup>®</sup> 10XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Typical Value
			Machine Direction
Tensile Strength (at ultimate)	ASTM D 6637	kN/m (lbs/ft)	160.0 (10965)
Tensile Strength (at 5% strain)	ASTM D 6637	kN/m (lbs/ft)	63.5 (4350)
Creep Reduced Strength	ASTM D 5262	kN/m (lbs/ft)	101.3 (6940)
Long Term Allowable Design Load <sup>1</sup>	GRI GG-4(b)	kN/m (lbs/ft)	87.7 (6009)

Mechanical Properties	Test Method	Unit	Typical Value
			Cross Direction
Tensile Strength (at ultimate)	ASTM D 6637	kN/m (lbs/ft)	25.2 (1725)

<sup>1</sup> 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)	22.2 (0.875)
Grid Aperture Size (cross machine direction)	--	mm (in)	25.4 (1.0)
Mass/Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	484.8 (14.3)
Roll Dimensions (width x length)	--	m (ft)	3.6 (12) x 61 (200)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	220 (267)
Estimated Roll Weight	---	kg (lbs)	120 (266)

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