



Miragrid[®] 5XT

Miragrid[®] 5XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid[®] 5XT geogrid 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 6637	kN/m (lbs/ft)	68.6 (4700)
Tensile Strength (at 5% strain)	ASTM D 6637	kN/m (lbs/ft)	25.4 (1740)
Creep Reduced Strength	ASTM D 5262	kN/m (lbs/ft)	43.4 (2975)
Long Term Allowable Design Load ¹	GRI GG-4(b)	kN/m (lbs/ft)	37.6 (2575)

¹ 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 ² (oz/yd ²)	305.1 (9.0)
Roll Dimensions (width x length)	--	m (ft)	3.6 (12) x 45.7 (150)
Roll Area	--	m ² (yd ²)	164.5 (200)
Estimated Roll Weight	---	kg (lbs)	63 (140)

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