

## Miragrid<sup>®</sup> 5XT



Miragrid<sup>®</sup> 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.

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP). NTPEP test data.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
			Machine Direction
Tensile Strength (at ultimate)	ASTM D6637	lbs/ft (kN/m)	4700 (68.6)
Tensile Strength (at 5% strain)	ASTM D6637	lbs/ft (kN/m)	1740 (25.4)
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	2975 (43.4)
Long Term Allowable Design Load <sup>1</sup>	GRI GG-4(b)	lbs/ft (kN/m)	2575 (37.6)

<sup>&</sup>lt;sup>1</sup> NOTE: Long Term Allowable Design values are for sand, silt and clay

Physical Properties	Unit	Typical Value <sup>2</sup>
Mass/Unit Area (ASTM D5261)	oz/yd² (g/m²)	9.3 (315)
Roll Dimensions (width x length)	ft (m)	12 x 150 (3.6 x 46)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	200 (165)
Estimated Roll Weight	lbs (kg)	123 (56)

Creep Reduced Strength (ASTM D5262), and Long Term Allowable Design Load (GRI GG-4(b)) is not covered by our current A2LA accreditation.

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<sup>&</sup>lt;sup>2</sup> ASTM D4439 Standard Terminology for Geosynthetics: typical value, n-for geosynthetics, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with on specific property.