

Replace *Reserved* section 96-1.02S TRIAX TX5 GEOGRID

TriAx TX5 Geogrid Geogrid must be a punched and drawn polypropylene material formed into a radially stable network open equilateral apertures with six intersecting ribs at each junction.

96-1.02T MATERIALS

TriAx TX5 geogrid must comply with the requirements shown in the following table.

TriAx TX5 Geogrid

Property	Test Reference	TriAx TX5 Geogrid ¹		
		Longitudinal	Diagonal	General
Aperture Shape	Observation			Triangular
Rib Pitch (min and max, inch)	Calipered	1.3 -1.6	1.3 -1.6	
Mid-rib depth	Calipered		0.05	
Mid-rib width	Calipered		0.03	
Mid-rib aspect ratio	Observation ²		≥ 1.5	
Radial Stiffness ratio	ASTM D6637 ³			> 0.60
Junction Strength at 0.5% strain (lbs.)	ASTM D7737 ⁴			50
Ultraviolet Stability, @500 hrs. (%)	ASTM D4355-05			100

¹ Calipered values are nominal. Unless indicated otherwise, all values in the table represent minimum average roll values (MARV) as defined in ASTM D4439.

² Ratio of the mid-rib depth to the mid-rib width of the diagonal ribs.

³ Ratio of the minimum to maximum MARV values of radial stiffness at 0.5% strain. Radial stiffness is measured on both the rib directions and the mid-rib directions (directions that bisect the angles between ribs).

⁴ Load transfer capability determined in accordance with ASTM D7737 in longitudinal and diagonal directions

Replace the 2nd paragraph of section 25-1.03C with:
Geosynthetic materials includes TriAx TX5 geogrid.