

ITL CG1200 | Technical Specifications

PRODUCT PROPERTIES¹

GeoGrid Index Properties	Test Method	Units	MD Values ¹	XMD Values ¹
» Aperture Dimensions ²		in (mm)	1 (25)	1.3 (33)
» Minimum Rib Thickness ²		in (mm)	0.05 (1.3)	0.05 (1.3)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	410 (6)	620 (9)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	810 (11.8)	1,340 (19.6)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	1,310 (19.2)	1,970 (28.8)
» Radial Stiffness @ 0.5% Strain	ASTM D6637	lb/ft (kN/m)		25,000 (365)

Structural Integrity

» Junction Efficiency	ASTM D6637 & D7737	%		93
» Overall Flexural Stiffness	ASTM D7748	mg-cm		750,000
» Aperture Stability	ASTM D7864	m-N/deg		0.65

Durability

» Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP		95 / 93 / 90
» Resistance to Long Term Degradation	EPA 9090	%		100
» Resistance to UV Degradation	ASTM D4355	%		100

GEOTEXTILE HYDRAULIC PROPERTIES¹

FILTER FABRIC	Test Method	English	Metric
» Type: Non-woven			
» Apparent Opening Size (AOS)	ASTM D4751	70 US Std. Sieve	0.212 mm
» Permittivity	ASTM D4491	1.5 sec ⁻¹	1.5 sec ⁻¹
» Water Flow Rate	ASTM D4491	110 gpm/ft ²	4,479 l/min/m ²

Dimensions & Delivery

The geogrid composite shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 3.81m (12.5-FT) in width and 75m (246-FT) in length. **ITL CG1200** is also available in 16-FT width.

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759.
2. Nominal Dimensions.

Disclaimer: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity, as well as other performance criteria, are not implied or given, and actual testing must be performed for applicability in specific applications and/or conditions.

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