CE
1071

TG 4000 S
Product Datasheet

THRACE polypropylene extruded biaxial geogrid ideal for unbound layer stabilization & ground reinforcement in permanent & temporary roads & other trafficked areas, in trackbeds in railway projects, in working platforms & other foundations. THRACE geogrids are highly resistant to commonly encountered soil chemicals, mildew and insects and are non-biodegradable.

MECHANICAL	METHOD	NOMINAL VALUE	UNIT
Ultimate Tensile Strength[1]	EN ISO 10319	40	kN/m
Elongation at Maximum Load (MD/CD)	EN ISO 10319	9/10	%
Tensile Strength at 2% Strain	EN ISO 10319	16	kN/m
Tensile Strength at 5% Strain	EN ISO 10319	32	kN/m
Junction Efficiency at max load	ASTM D7737	100	%
ENDURANCE			
Aperture Stability Modulus[2]	ASTM D7864	3.4	m·N/deg
Flexural Rigidity	ASTM D7748	4'500'000	mg.cm
PHYSICAL			
Grid Spacing	caliper	36	mm
Rib Thickness (MD/CD)	caliper	2.6/1.8	mm
Rib Width (MD/CD)	caliper	3.5/4.5	mm
Junction Height	caliper	5.3	mm
Carbon Black	ASTM D1603	≥2	%
STANDARD PACKAGING			
Nominal Roll Width	tape measure	3.95	m
Nominal Roll Length	tape measure	50	m

[1] Calculated as a lowest 95% confidence limit in accordance with ISO 2602
[2] Average resistance to in-plane rotational movement measured in accordance with ASTM D7864 for the measurement of torsional rigidity

NOTES-DISCLAIMER:

THRACE Nonwovens & Geosynthetics S.A. reserves the right to alter product specifications at any time without prior notice. It is the responsibility of all users to satisfy themselves that the above data are current.
To be covered within one month after installation. Predicted to be durable for more than 100 years in soil temperatures ≤ 25ºC and is resistant to highly acid and alkaline environments on the basis of a durability assessment.

Information contained in this publication, while accurate to the best knowledge and belief of THRACE NG S.A. is not intended and should not be construed as a warranty or representation for which THRACE NG S.A. assumes any legal responsibility. Any information or advice obtained from THRACE NG S.A. otherwise than by means of this publication and whether relating to THRACE NG S.A. materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that THRACE NG S.A. materials are suitable for the particular purpose intended. Insofar as materials not manufactured or supplied by THRACE NG S.A. are used in conjunction with or instead of THRACE NG S.A. materials, the customer should ensure that he has received from the manufacturer or supplier all technical data and other information relating to such materials. THRACE NG S.A. accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of THRACE NG S.A. materials or the use of THRACE NG S.A. materials in conjunction with such other materials. The information contained herein is furnished without charge or obligation and the recipient assumes all the responsibility for its use. Because conditions for use and handling may vary and are beyond our control, THRACE NG S.A. makes no representation about, and is not responsible or liable for the accuracy or reliability of said information or performance of any product. THRACE NG S.A. accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of THRACE NG S.A. materials or the use of THRACE NG S.A. materials in conjunction with such other materials.

THRACE NONWOVENS & GEOSYNTHETICS S.A.
Magiko Xanthi, 67100, Xanthi, Greece,
20, Marinou Antypa str., 17455, Alimos (Athens), Greece,
www.thracegroup.com
T +30 25410 45675-6 | **F** +30 25410 45677
T +30 210 9875044-9 | **F** +30 210 9875040