

TMax™ 3K

High-Performance Turf Reinforcement Mat
UV stable Polypropylene Monofilament yarns

TECHNICAL DATASHEET	G 062 005
ISSUE NUMBER	01
DATE	JANUARY 2023

PROPERTY	TEST METHOD	TEST VALUE
PHYSICAL		
Mass/Unit Area	ASTM D6566	235 g/m ²
Thickness	ASTM D6525	8mm
Light Penetration	ASTM D6567	65% coverage
Colour	Visual	Green or Tan
Weight ± 10%		23.8 kg
Area		83.6 m ²
Dimensions	Measured	3.5m x 23.4m
MECHANICAL		
Tensile Strength - MD	ASTM D6818	44 kN/m
Elongation - MD	ASTM D6818	25%
Tensile Strength - TD	ASTM D6818	44 kN/m
Elongation - TD	ASTM D6818	25%
ENDURANCE		
UV Resistance @ 3000hours	ASTM D4355	90%
PERFORMANCE		
Vegetated Shear Stress	ASTM D64601	575 Pa
Vegetated Velocity	ASTM D64601	6.1 m/s
MANNING'S N ROUGHNESS COEFFICIENT		
τ_{lower}		0.032
τ_{mid}		0.030
τ_{upper}		0.028

1. Modified test method
2. Results obtained by 3rd Party GAI Accredited Independent Laboratory
3. Minimum average roll value



This product has been manufactured under the controls established by a Bureau Veritas certification approved management system that conforms with ISO 9001:2015. Bureau Veritas Certification certificate number NZ001832-2

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.

DISCLAIMER

The information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Cirtex Industries Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Cirtex Industries Ltd has a policy of continuous development so information and product specifications may change without notice.