

# QUIKGRID™ FLEX

QuikGrid™ Flex combines strength, safety, and ease of use in a highly adaptable design. Its efficient composite structure delivers a standard tensile strength of 45 kN/m, providing reliable separation of granular fill from fine, saturated base soils. A fire-resistant grid, antistatic coating, and high-visibility yellow color improve site safety. Engineered to enhance infrastructure resilience while reducing environmental impact, QuikGrid™ Flex is highly flexible and lies flat when rolled out for installation.

April 2026		QuikGrid™ Flex			
Material Properties	Rev	Test Method	Unit	QUIKGRID™ Flex 45	
	<b>GEOGRID<sup>1</sup></b>				<b>Coated PET<sup>1</sup></b>
	Raw Material	-	-	PVC Coated Polyester	
	Tensile Strength <sup>3,4</sup> , MD/CD	ASTM D6637	kN/m	50 /45	
	Tensile Strength <sup>3,4</sup> at 1% Elongation, MD/CD	ASTM D6637	kN/m	8.96 /9.36	
	Tensile Strength <sup>3,4</sup> at 2% Elongation, MD/CD	ASTM D6637	kN/m	16.5 /17.0	
	Tensile Strength <sup>3,4</sup> at 5% Elongation, MD/CD	ASTM D6637	kN/m	34.6 /32.0	
	Tensile Modulus at 1% Strain, MD/CD	Calculated	kN/m	896 /936	
	Flexural Rigidity	ASTM D1388	mg-cm	400,000	
	Aperture Size <sup>2</sup> , MD/CD	Measured	mm	30 / 28	
Resistance to UV Degradation <sup>5</sup>	ASTM D4355	%	95		
Suitable pH Range for PET	-	-	2 - 9		
<b>GEOTEXTILE</b>				<b>ABC 150</b>	
Raw Material	-	Polyester Staple Fiber			
Mass Per Unit Area <sup>2</sup>	ASTM D5261	g/m <sup>2</sup>	150		
Elongation at Break	ASTM D4632	%	50		
Roll Dimensions	-	m	5.0 x 100		

**Notes:**

1. Manufactured by ABC Canada Technology Group Ltd. – in Saskatoon, SK
2. Geometric Properties are nominal values and may vary
3. Mechanical Properties are based on Manufacturers Laboratory testing @ 21 +/- 1 Degree C
4. Unless indicated otherwise, values shown are minimum average roll values
5. 500 Hours of Exposure - Expressed as a percentage of Ultimate Tensile Strength

**Disclaimer:** Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at [www.LayfieldGroup.com](http://www.LayfieldGroup.com)