TMP America – Product Specification – GG2020 Geogrid

DISCLAIMER: TMP America, Inc. reserves the right to change its product specifications at any time and without notice. It is the user's responsibility to ensure that this specification is current and that the specified product is appropriate for the application being considered.

Product Type: **Integrally formed biaxial geogrid**
Polymer: **Polypropylene**
Load Transfer Mechanism: **Positive mechanical interlock**
Standard Roll Size: **12.5 ft x 164 ft (228 SY per roll)**

Product Properties

	Test method	Units	MD value[1]	XMD value[1]
Index Properties				
• Aperture dimensions	Direct measurement[2,]	mm (in)	35 (1.4) [3]	35 (1.4)[3]
• Minimum rib thickness	Direct measurement[2]	mm (in)	1.50 (0.06)	1.10 (0.04)
• Tensile strength @ 2% strain	ASTM D6637M-15	kN/m (lb/ft)	7.0 (480)	7.0 (480)
• Tensile strength @ 5% strain	ASTM D6637M-15	kN/m (lb/ft)	14.0 (960)	14.0 (960)
• Ultimate tensile strength	ASTM D6637M-15	kN/m (lb/ft)	20.0 (1,370)	20.0 (1,370)
Structural integrity				
• Junction efficiency	ASTM D7737/D6637	%	93	
• Flexural stiffness	ASTM D7748	mg-cm	750,000	
• Aperture stability	GRI-GG9[4]	N-m/deg	0.50	
Durability				
• Resistance to installation damage (SW/SP/GP soil)	ASTM D6637-01	%	90/83/75	
• Resistance to long-term degradation	ASTM D6637-01	%	100	
• Resistance to UV degradation	EPA9090A	%	100	

Notes:

1. *Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759-02.*
2. *Direct Caliper Measurement.*
3. *Nominal values.*
4. *Resistance to in-plane rotational movement measured by applying a 20 kg-cm moment.*

Updated SEP.2024