



ACEGrid® GV-Series is woven from high-tenacity, multifilament polyvinyl alcohol yarns and coated with durable polymer which provides the best resistance of UV and durability. ACEGrid® GV-Series provides a wide range of strength with high quality advantages - high tensile modulus and low creep behaviors etc. ACEGrid® GV-Series is suitable to stabilize the earth structures, such as MSE Wall or Steep Slope, Road, Bridge or Pavement Construction.

### Product Properties

Physical Properties	Test Method	Unit	GV35-I	GV55-I	GV80-I	GV110-I	GV160-I	GV200-I	GV300-I	GV400-I	GV600-I	GV800-I
<b>Material</b>			High Tenacity Polyvinyl Alcohol Yarns Coated with Durable Polymer									
Aperture Size - MD ± 20%		mm (inch)	25 (1.0)	25 (1.0)	25 (1.0)	25 (1.0)	22 (0.9)	22 (0.9)	34 (1.3)	30 (1.2)	45 (1.8)	40 (1.6)
Aperture Size - CD ± 20%		mm (inch)	22 (0.9)	22 (0.9)	22 (0.9)	22 (0.9)	24 (0.9)	24 (0.9)	28 (1.1)	28 (1.1)	28 (1.1)	18 (0.7)
<b>Mechanical Index Properties</b>												
Tensile Strength , $T_{ult}$ - MD min	ASTM D6637 ISO 10319	kN/m (lb/ft)	35 (2395)	55 (3764)	80 (5475)	110 (7528)	160 (10950)	200 (13687)	300 (20531)	400 (27375)	600 (41062)	800 (54749)
Tensile Strength , $T_{ult}$ - CD min	ASTM D6637 ISO 10319	kN/m (lb/ft)	20 (1369)	20 (1369)	30 (2053)	30 (2053)	30 (2053)	50 (3422)	50 (3422)	50 (3422)	50 (3422)	100 (6844)
Elongation - MD	ASTM D6637 ISO 10319	%	4~6	4~6	4~6	4~6	4~6	4~6	4~6	4~6	4~6	5~7
<b>Dimensional Characteristics</b>												
Width		m (yd)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)	3.9 (4.3)
Length		m (yd)	50/100 (55/109)	50/100 (55/109)	50/100 (55/109)	50/100 (55/109)	50/100 (55/109)	50/100 (55/109)	50 (55)	50 (55)	50 (55)	50 (55)

Note.

1. ACEGrid® PVA geogrid is available in range from 35kN/m to 1000kN/m, and the maximum width is up to 5m.
2. The values given are indicative and correspond to an average of results obtained in ACE laboratory. The right is reserved to make changes without notice.

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Thank you for your interests in our products,  
 We can customize the product to fulfill different project requirement. If you require more detail information,  
 please feel free to contact us directly at [sales@geoace.com](mailto:sales@geoace.com).  
 We'll be pleased to provide our best assistance.

**Accurate, Collaborative, Efficient**

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