

## ACEGrid® Specification

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

### Product Properties

#### Physical Properties

	Units	GV35-I	GV55-I	GV80-I	GV110-I	GV160-I	Test Method
Material		High Tenacity Polyvinyl Alcohol Yarn Coated with Durable Polymer					
Aperture Size - MD $\pm 20\%$	mm	25	25	25	25	22	
Aperture Size - CD $\pm 20\%$	mm	22	22	22	22	24	

#### Mechanical Index Properties

Tensile Strength ,T <sub>ult</sub> - MD min	kN/m	35	55	80	110	160	ASTM D6637
Tensile Strength ,T <sub>ult</sub> - CD min	kN/m	20	20	30	30	30	ASTM D6637
Elongation $\pm 2\%$ - MD	%	4	4	4	4	4	ASTM D6637

#### Dimensional Characteristics

Length	m	50 / 100	50 / 100	50 / 100	50 / 100	50 / 100	
Width	m	3.9	3.9	3.9	3.9	3.9	
Area	m <sup>2</sup>	195 / 390	195 / 390	195 / 390	195 / 390	195 / 390	

#### Notes:

\* The values given are indicative and correspond to MARV obtained in ACE laboratory. The right is reserved to make changes without notice.

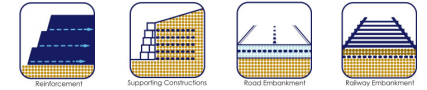


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### Product Properties

#### Physical Properties

	Units	GV200-I	GV300-I	GV400-I	GV600-I	GV800-I	Test Method
Material		High Tenacity Polyvinyl Alcohol Yarn Coated with Durable Polymer					
Aperture Size - MD ± 20%	mm	22	34	30	45	40	
Aperture Size - CD ± 20%	mm	24	28	28	28	18	

#### Mechanical Index Properties

Tensile Strength ,T <sub>ult</sub> - MD min	kN/m	200	300	400	600	800	ASTM D6637
Tensile Strength ,T <sub>ult</sub> - CD min	kN/m	50	50	50	50	100	ASTM D6637
Elongation ±2% - MD	%	4	4	4	4	5	ASTM D6637

#### Dimensional Characteristics

Length	m	50 / 100	50	50	50	50	
Width	m	3.9	3.9	3.9	3.9	3.9	
Area	m <sup>2</sup>	195 / 390	195	195	195	195	

#### Notes:

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