

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 ± 2mm	in	1.0	1.0	1.0	1.0	0.9	
Aperture Size - CD ± 2mm	in	0.9	0.9	0.9	0.9	0.9	

Mechanical Index Properties

Tensile Strength ,T _{ult} - MD min	lb/ft	2395	3764	5475	7528	10950	ASTM D6637
Tensile Strength ,T _{ult} - CD min	lb/ft	1369	1369	2053	2053	2053	ASTM D6637
Elongation ±2% - MD	%	4	4	4	4	4	ASTM D6637

Dimensional Characteristics

Length	yd	55 / 109	55 / 109	55 / 109	55 / 109	55 / 109	
Width	yd	4.3	4.3	4.3	4.3	4.3	
Area	yd ²	236.5 / 468.7	236.5 / 468.7	236.5 / 468.7	236.5 / 468.7	236.5 / 468.7	

Notes:

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

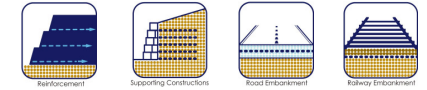


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Product Properties

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 ± 2mm	in	0.9	1.3	1.2	1.8	1.6	
Aperture Size - CD ± 2mm	in	0.9	1.1	1.1	1.1	0.7	

Mechanical Index Properties

Tensile Strength ,T _{ult} - MD min	lb/ft	13687	20531	27375	41062	54749	ASTM D6637
Tensile Strength ,T _{ult} - CD min	lb/ft	3422	3422	3422	3422	6844	ASTM D6637
Elongation ±2% - MD	%	4	4	4	4	5	ASTM D6637

Dimensional Characteristics

Length	yd	55 / 109	55	55	55	55	
Width	yd	4.3	4.3	4.3	4.3	4.3	
Area	yd ²	236.5 / 468.7	236.5	236.5	236.5	236.5	

Notes:

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