

**TECHNICAL DATA SHEET**

**solidian**  
**FLEX GRID**

ARG-580-AAS1-35x30



Specifications		Unit	Value	Tolerance	Standard
Fiber material	AR-Glass	-	-	-	-
Impregnation material	Styrene-butadiene	%	≥18	-	ISO 1887
Basis weight	-	g/m <sup>2</sup>	580	± 10%	ISO 3374
Shape	Roll	-	-	-	-
Width	-	cm	100	- 1% / + 2%	ISO 22198
Length	-	m	25	-	ISO 22198
Mesh size (middle)	Warp	mm	40,0	-	Internal method RUP MOO KEL
	Weft	mm	36,0	-	Internal method RUP MOO KEL
Mesh open (light)	Warp	mm	35,0	-	Internal method RUP MOO KEL
	Weft	mm	30,0	-	Internal method RUP MOO KEL
Tensile Strength Minimum Value	Warp	kN/m	110	-	ISO 10406-1
	Weft	kN/m	90	-	ISO 10406-1

## Information

### 1. Concrete components

1.1. Textile concrete components are currently not subject to any building authority approvals (standards, guidelines etc.). In the case of structural building sites, building authorities must be consulted with test stators, experts etc. and country-specific regulations must be observed (e.g. approvals of specific cases).

1.2. It is recommended to check these values in the concrete component (on site the prefabricated concrete plant) in order to detect individual influences from the concrete mix.

1.3. Consider working temperatures and resistance, installation only by trained staff, use suitable concrete mixtures, wear safety gloves and goggles. Please, consider additional protective measures!

1.4. The tensile strength was derived from experimental investigations based on roving tests. The values provided here represent short-term static tensile strength. At room temperature (20°C); the influences of durability, long-term loads, cyclic stresses etc. are not taken into consideration.

1.5. Since non-metallic reinforcements are not regulated in local standards or guidelines in most countries, for structural members building authorities, structural engineers, experts, etc. Must be involved and local regulations must be observed (e.g. approval in individual cases).

### 2. Certifications

2.1. Our Management System is in accordance with the requirements of the management system standards ISO 9001:2015 and ISO 14001:2015.

### 3. Disclaimer

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