

TECHNICAL DATA SHEET

solidian ANTISEISMIC Connector
OE D10-AE



Specifications		Unit	Value	Tolerance	Standard
Fiber material	AR-Glass	-	-	-	-
Impregnation material	Epoxy Resin	-	-	-	-
Shape	Rod	-	-	-	-
Length of stiff area	-	mm	150 - 600	-	-
Length of flexible area	-	mm	150 - 600	-	-
Total length	-	mm	300 - 1.200	-10 / +10	-
Diameter	-	mm	10	-10% / +20%	-
Fiber-cross section	-	mm ²	49,25	-	Calculation
Composite-cross section	-	mm ²	91,6	±15 %	ISO 10406-1:2015
Tensile strength (Average Value)	-	MPa	1.015	-	EAD 340392-00-0104 ETA-23/0383
Tensile strength (Characteristic Value)	-	MPa	943	-	EAD 340392-00-0104 ETA-23/0383
Breaking force (Minimum Value)	-	kN	80	-	EAD 340392-00-0104
E-Modulus (Average Value)	-	GPa	41,1	-	EAD 340392-00-0104 ETA-23/0383
Elongation at Breakup (Average Value)	-	%	2,52	-	EAD 340392-00-0104 ETA-23/0383
Glass transition temperature	-	°C	≥ 95	-	ISO 11357-2:2013

build solid.

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Information

1. Concrete components

1.1. 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).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.

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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!2. Certifications

2. Disclaimer

2.1. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability arising out of its use or performance. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Kindly note that under certain conditions the properties can be affected to a considerable extent by the machining or processing. Application, use, and processing of products is effected beyond our possible control, and accordingly is the sole and exclusive responsibility of recipients. Statements in this data sheet shall not be construed as representations of warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.

2.2. Subject to change without notice. When a new technical data sheet is published, all previous technical data sheets are no longer valid.

3. Different standard sizes are available.

4. Storage and handling conditions

The product should be stored in a dry and cool place, protected from the rain and direct sunlight. To prevent potential damage of the composite, it is crucial to handle with the product carefully during storage and transportation.

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