

TECHNICAL DATA SHEET

solidian ANTISEISMIC
Connector OE D10-CE



Specifications		Unit	Value	Tolerance	Standard
Fiber material	Carbon	-	-	-	-
Impregnation material	Epoxy resin	-	-	-	-
Shape	Rod	-	-	-	-
Length of stiff area	-	mm	300	-	-
Length of flexible area	-	mm	200	-	-
Total length	-	mm	500	± 10	-
Diameter	-	mm	10	-0,5/ +1	-
Fiber cross section	-	mm ²	50,6	-	-
Composite cross section*	-	mm ²	78,5	-	-
Tensile strength mean value*	-	MPa	> 1.600	-	ISO 10406-1:2015
E-Modulus*	-	MPa	> 147.200	-	ISO 10406-1:2015

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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 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. 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 When a new technical data sheet is published, all previous technical data sheets are no longer valid.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.

*Values based on a small numbers of external tests for informative purpose.

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