

Lab-Services

Approved Solutions from the System Provider

The BÜFA Testing Center

**Customer
Copy**

Composites

The Whole is more than the Sum of its Parts

GRP specialist BÜFA Composite Systems brings this wisdom to life. Especially in multi-component systems such as glass-fibre reinforced composites, all components must be optimally matched to each other so that the product delivers the required performance.

As an established developer and manufacturer of GRP materials, BÜFA Composite Systems has decades of experience in conducting tests. You too can benefit from the equipment of

BÜFA's own test laboratory and the knowledge of our highly experienced employees.

These tests serve as a guide and provide you with a reliable and cost-effective pre-assessment for your own monitoring process. However, they do not replace in-depth testing conducted in certified laboratories by you as the company in charge.

The following Tests and Services are available as Options. Feel free to talk to us about it:

Test	according to	Details
Cone-Calorimeter	ISO 5660-1	Fire test according to the European railway standard
DIN 5510	DIN 5510	Fire test according to the German railway standard
LOI	DIN EN ISO 4589-2 / ASTM 2863	Determination of the limiting oxygen index for fire protection products
UIC 564-2	UIC 564-2	Fire test for railway components
IMO 1006-4	IMO 1006-4	Fire test in compliance with the lifeboat standard
DSC-Measurement	DIN EN 11357-1	Determination of properties such as the degree of cross-linking or the glass transition temperature
XENON-Weathering	DIN EN ISO 4892-2	Rapid weathering of gelcoat surfaces
Tensile Test	DIN EN ISO 527-2/-4	Testing the tensile strength of fibre-reinforced composite components
Flexural Test	DIN EN ISO 14125	Testing the flexural strength of fibre-reinforced composite components
Tensile shear Strength	DIN EN 1465	Testing the tensile shear strength of adhesives
ILSS	DIN EN ISO 14130	Testing the apparent interlaminar shear strength
Compressive Strength	DIN EN ISO 14129	Testing the compressive strength of fibre-reinforced composite components
HDT	DIN EN ISO 75-A	Determination of the heat distortion temperature
Osmosis Test	AVK standard	Determination of water resistance and susceptibility to osmosis
Condensation Water Test	ISO 6270-2-CH	Determination of the creep tendency of water vapour
Scratch Resistance	EN 14688 - 5.6	Determination of the scratch resistance of gelcoat surfaces
Taber Abraser Test	DIN 53 754	Determination of the abrasion resistance of gelcoat surfaces
Ball Drop Test	DIN EN ISO 6272-1	Determination of the resistance to forces exerted on fibre-reinforced surfaces
Ash content	DIN EN ISO 1172	Determination of the ash residue of fibre-reinforced composite components
Flashpoint	DIN EN ISO 13736 / ISO 3679-B	Determination of the flashpoint of liquid resin formulations
Analysis by Microscope	Customer needs	Microscopic analysis
Chlorine Test of swimming pool products	AVK standard	Determination of the resistance of gelcoat surfaces to chlorine bleach solutions



BÜFA Composite Systems GmbH & Co. KG
 Hohe Looqe 2-8
 26180 Rastede | Germany

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