

# SIGRAPREG® C W245-TW2/2-E323/45%

Epoxy woven carbon fiber fabric prepreg

## Laminate properties (Fiber volume content: 60%)

Properties	Test standards	Temperature [°C]	Units	Values
Tensile strength 0°	DIN EN ISO 527-5	23	MPa	1100
Tensile modulus 0°	DIN EN ISO 527-5	23	GPa	70
Tensile strength 90°	DIN EN ISO 527-5	23	MPa	1030
Tensile modulus 90°	DIN EN ISO 527-5	23	GPa	65
Elongation at break	DIN EN ISO 527-5	23	%	1.6 - 1.7
Flexural strength 0°	DIN EN ISO 14125	23	MPa	1050
Flexural modulus 0°	DIN EN ISO 14125	23	GPa	62
Flexural strength 90°	DIN EN ISO 14125	23	MPa	990
Flexural modulus 90°	DIN EN ISO 14125	23	GPa	60
Interlaminar shear strength 0°	DIN EN 2563	23	MPa	68
Interlaminar shear strength 90°	DIN EN 2563	23	MPa	70
Density	DIN EN ISO 1183	23	g/cm <sup>3</sup>	1.56

03 2019

\*registered trademarks of SGL Carbon SE

### Composites – Fibers & Materials

Sales Europe/Middle East/Africa | cfm-europe@sglcarbon.com

Sales Americas | cfm-americas@sglcarbon.com

Sales Asia/Pacific | cfm-asia@sglcarbon.com

www.sglcarbon.com/cfm

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our "General Conditions of Sale".