

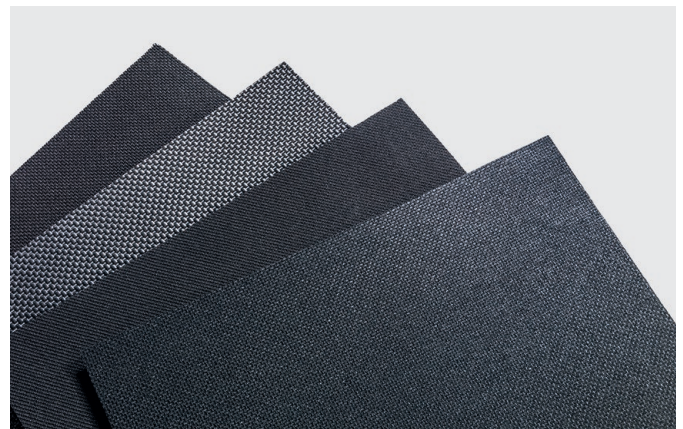
SIGRACOMP® WF

Carbon friction materials

Woven friction material based on carbon fiber, phenolic resin-bound for wet running tribological systems. Patented design optimized for usage in powertrains (synchronization, clutches), wet brakes and power lift gates.

Properties

- Excellent compressive strength
- Very low wear over lifetime
- Constant CoF even at high areal pressures
- High misuse/friction energy capability
- Good green shift ability
- No grooving necessary
- Broad oil compatibility
- Easily applicable to various geometries



↑ SIGRACOMP friction materials made from CFRP

Material data of SIGRACOMP® WF

Typical properties	Units	8009	8110	8111	8125	6060	8060
Final thickness	mm	0.39	0.47	0.43	0.40	0.60	0.55
Matrix		Phenolic	Phenolic	Phenolic	Phenolic	Phenolic	Phenolic
Areal pressure [static/durable]	MPa	> 25/> 10	> 25/> 10	> 25/> 10	> 25/> 10	> 25/> 10	> 4
Coefficient of friction [average]	CoF at pressure [durable]	0.12 at 10 MPa	0.12 at 10 MPa	0.11 at 10 MPa	0.12 at 10 MPa	0.12 at 10 MPa	0.12 at 4 MPa
Carbon content	%	50	50	50	50	50	50
Weave style		Twill	Twill	Twill	Twill	Panama	Twill

