

# SIGRACOMP® WF

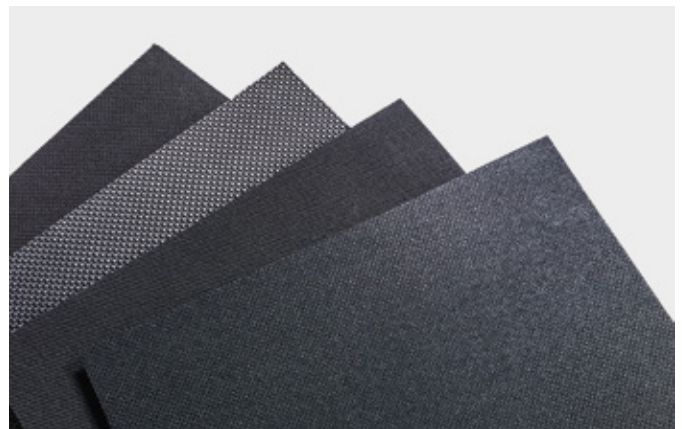
## Carbon wet friction materials

Woven friction material based on carbon fiber, phenolic resin bound or carbon-infiltrated for wet running tribological systems.

Patented design for Manual (MT) or automated (AMT, DCT) transmissions in passenger cars or duty vehicles.

### Properties

- Excellent compressive strength
- Very low wear over lifetime
- Constant CoF over lifetime 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 and C/C

### Material data of Sigracomp® WF

Typical properties	Units	8009	8110	8111	8125	6060	8060	7010	7020
Final thickness	mm	0.39	0.47	0.43	0.40	0.60	0.45	0.75	0.75
Matrix		Phenolic	Phenolic	Phenolic	Phenolic	Phenolic	Phenolic	Carbon	Carbon
Areal pressure [static/durable]	MPa	> 25/> 10	> 25/> 10	> 25/> 10	> 25/> 10	> 25/> 10	> 4	> 3	> 25/> 10
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	0.12 at 3 MPa	0.11 at 10 MPa
Carbon content	%	50	50	50	50	50	50	100	100
Weave style		Twill	Twill	Twill	Twill	Panama	Twill	Panama	Plain

