

SIGRACOMP® WF

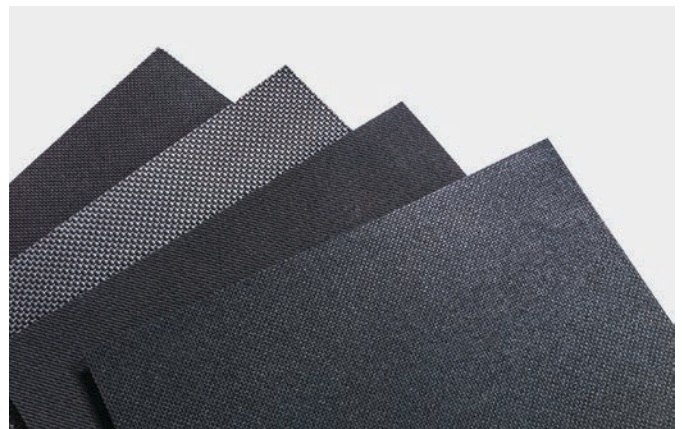
Carbon wet friction materials

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	8109	8125	6060	8060	7010	7020
Final thickness	mm	0.40	0.48	0.40	0.60	0.45	0.75	0.75
Matrix		Phenolic	Phenolic	Phenolic	Phenolic	Phenolic	Carbon	Carbon
Areal pressure [static/durable]	MPa	> 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	0.12 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	100	100
Weave style		Twill	Twill	Twill	Panama	Twill	Panama	Plain

