



AvCarb® Wet Friction Products

Woven Carbon Fabric with Phenolic Matrix

Moving Energy with Carbon



For more than 16 years, leading auto OEMs have relied on AvCarb woven friction products for long lasting, high performance friction systems.

Carbon fiber, infiltrated with a phenolic resin matrix provides an extremely durable friction surface suitable for even the most demanding applications.

AvCarb Friction Material Benefits

- ▶ Low wear over lifetime
- ▶ Smooth, stable coefficient of friction over lifetime
- ▶ Excellent heat dissipation and thermal stability
- ▶ Engineered porosity

Typical Applications

- ▶ Automobile transmissions
 - Torque Converter Clutches (TCCs)
 - Automated Manual Cone Synchronizers (AMT, DCT)
 - Manual Transmission Cone Synchronizers (MT, AMT, DCT)
- ▶ Wet brakes
- ▶ Rear differentials

Technical Data AvCarb Wet Friction Products

		7497	7575	1209	1185	7763	1186
Typical bonded thickness	mm	0.3–0.6	0.4–0.7	0.4–0.7	0.6–1.0	0.5–1.0	0.7–1.2
Coefficient of friction (typical)	CoF	0.11	0.11	0.11	0.11	0.11	0.11
Carbon content (fabric substrate)* (range available)	%	80–100	80–100	80–100	80–100	80–100	80–100
Matrix content* (range available)	%	20–60	20–60	20–60	20–60	20–60	20–60
Weave style*		Plain	Plain	Plain	Plain	Basket	Basket



*** Contact Us to Co-Engineer Your Next Innovative Friction Material**

AvCarb Material Solutions
www.AvCarb.com

Two Industrial Avenue
Lowell, MA 01851-5199 USA
(+1) 978.454.5301

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