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

Material data of SIGRACOMP® WF

<table>
<thead>
<tr>
<th>Typical properties</th>
<th>Units</th>
<th>8009</th>
<th>8109</th>
<th>8125</th>
<th>6060</th>
<th>8060</th>
<th>7010</th>
<th>7020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final thickness</td>
<td>mm</td>
<td>0.40</td>
<td>0.48</td>
<td>0.40</td>
<td>0.60</td>
<td>0.45</td>
<td>0.75</td>
<td>0.75</td>
</tr>
<tr>
<td>Matrix</td>
<td>Phenolic</td>
<td>Phenolic</td>
<td>Phenolic</td>
<td>Phenolic</td>
<td>Phenolic</td>
<td>Carbon</td>
<td>Carbon</td>
<td></td>
</tr>
<tr>
<td>Areal pressure (static/durable)</td>
<td>MPa</td>
<td>&gt; 25/&gt; 10</td>
<td>&gt; 25/&gt; 10</td>
<td>&gt; 25/&gt; 10</td>
<td>&gt; 25/&gt; 10</td>
<td>&gt; 4</td>
<td>&gt; 3</td>
<td>&gt; 25/&gt; 10</td>
</tr>
<tr>
<td>Coefficient of friction (average)</td>
<td>CoF at pressure (durable)</td>
<td>0.12 at 10 MPa</td>
<td>0.12 at 10 MPa</td>
<td>0.12 at 10 MPa</td>
<td>0.12 at 10 MPa</td>
<td>0.12 at 4 MPa</td>
<td>0.12 at 3 MPa</td>
<td>0.11 at 10 MPa</td>
</tr>
<tr>
<td>Carbon content</td>
<td>%</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Weave style</td>
<td></td>
<td>Twill</td>
<td>Twill</td>
<td>Twill</td>
<td>Panama</td>
<td>Twill</td>
<td>Panama</td>
<td>Plain</td>
</tr>
</tbody>
</table>

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".

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