## TYPICAL PROPERTIES OF CARBON GRAPHITE GRADES

<table>
<thead>
<tr>
<th>GRADE</th>
<th>TEMPERATURE LIMIT</th>
<th>THERMAL CONDUCTIVITY</th>
<th>ULTIMATE COMpressive STRENGTH</th>
<th>HARDNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OXIDIZING ATMOSPHERE</td>
<td>NEUTRAL ATMOSPHERE</td>
<td>Wt./hr./ft. °F/°C</td>
<td>MPa</td>
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<tr>
<td>5505</td>
<td>700 370</td>
<td>2000 1095</td>
<td>8 14</td>
<td>33.0 225</td>
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<tr>
<td>5710</td>
<td>500 260</td>
<td>500 260</td>
<td>9 5</td>
<td>34.0 235</td>
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<tr>
<td>5760</td>
<td>850 450</td>
<td>1500 815</td>
<td>8 15</td>
<td>45.0 240</td>
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<tr>
<td>5770</td>
<td>550 290</td>
<td>550 290</td>
<td>9 5</td>
<td>35.0 240</td>
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<td>5780</td>
<td>600 315</td>
<td>1200 650</td>
<td>9 5</td>
<td>31.0 215</td>
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<tr>
<td>5800</td>
<td>450 230</td>
<td>500 260</td>
<td>12 7</td>
<td>28.0 196</td>
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<tr>
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<td>1500 815</td>
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<td>30.0 205</td>
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<td>1500 815</td>
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<td>550 290</td>
<td>550 290</td>
<td>12 7</td>
<td>27.0 185</td>
</tr>
</tbody>
</table>

**CARBON GRAPHITE SERIES**

The carbon graphite series of DuPont™ Vespel® ASB parts offers good wear life under relatively high compressive load and temperatures. Coupling the self-lubricity and compressive strength of mechanical carbon graphites with the appropriate selection of metal housings enables DuPont to design a durable assembly that is easy to install and that matches the CTE of the mating components. The variety of available grades allows DuPont to offer the most appropriate material based upon the application temperatures, desired environment, load requirements and other operating conditions.

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For more information about DuPont™ Vespel®:

**UNITED STATES**
DuPont Engineering Polymers
Pencader Site
Newark, DE 19714-6100
Tel: 800-222-VESP
Fax: (302) 733-8137

**EUROPE**
DuPont de Nemours
Engineered Parts Center
A. Spirastraat 6
B-2800 Mechelen
Belgium
Tel: ++32 15 441527
Fax: ++32 15 441408

**ASIA-PACIFIC**
Japan
DuPont K.K.
Arco Tower
8-1, Shimegumy 1-chome
Meguramiku, Tokyo 153-0004
Tel: 03-5434-6989
Fax: 03-5434-6982

Korea
DuPont Korea Limited
4-Floor, Asia Tower, #726
Yeoksam-dong, Kangnam-ku
Seoul 135-002
Tel: 02-222-5200
Fax: 02-222-5470

Taiwan/China
DuPont Taiwan Limited
12th Floor, Hang Kung Building
167, Tun Hwa North Road
Taipei, Taiwan 106
Tel: 02-719-1999
Fax: 02-719-0480

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