**THERMAX®**

MEDIUM THERMAL CARBON BLACK

### Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>ASTM Test Method**</th>
<th>Thermax® N990</th>
<th>Thermax® N991 Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sieve Residue 325 Mesh % (ppm) max.</td>
<td>D1514</td>
<td>0.0015 (15)</td>
<td>0.0250 (250)</td>
</tr>
<tr>
<td>Magnetics on 325 Mesh % (ppm) max.</td>
<td>D6556</td>
<td>0.0005 (5)</td>
<td>0.0005 (5)</td>
</tr>
<tr>
<td>Nitrogen Surface Area, m²/g</td>
<td>D2414</td>
<td>7.0 - 12.0</td>
<td>7.0 - 12.0</td>
</tr>
<tr>
<td>Oil Absorption Number (OAN) cm³/100g max.</td>
<td>D1506</td>
<td>44.0</td>
<td>44.0</td>
</tr>
<tr>
<td>Ash Content % max.</td>
<td>D1512</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td>pH</td>
<td>D1509</td>
<td>0.50</td>
<td>0.50</td>
</tr>
<tr>
<td>Toluene Extract % max.</td>
<td>D1508</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Heat Loss % max.</td>
<td>D5230</td>
<td>8.0</td>
<td>-</td>
</tr>
<tr>
<td>Fines Content (as shipped) % max.</td>
<td></td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>Pellet Hardness grams (14 x 18 mesh) average, max.</td>
<td></td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Pellet Hardness grams (14 x 18 mesh) high (average of 3 highest), max.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For a complete list of the countries where THERMAX® and CANCARB® are registered trademarks go to www.cancarb.com/trademarks

**Tests are performed generally in accordance with ASTM.

### Applications

**RUBBER GOODS**
- Belts
- Diaphragms
- Expansion Joints
- Gaskets
- Hose
- Moldings
- Engine Mounts
- O-Rings
- Profiles
- Rollers
- Seals
- Sealants
- Sponge
- Tires
- Tubing
- Wiper Blades

**METALLURGY**
- Boron Carbide
- Metallurgical Reducing Agent
- Solar Grade Silicon
- Tantalum Carbide
- Titanium Carbide
- Tungsten Carbide
- Vanadium Carbide

**PLASTICS**
- Colorants
- Heat Shrinkable Connectors
- Wire and Cable Insulation Jacket

**REFRACTORIES**
- Castables
- Refractory Bricks
- Tap Hole Clay
- Slide Gates

**SPECIALTIES**
- Adhesives
- Advanced Ceramics
- Aircraft Brakes
- Audio/Video
- Magnetic Tape
- Carbon Brushes
- and Electrodes
- Carbon Composites
- Concrete Colorant
- Carbon Seals
- Glass Production
- High Temperature Insulation

### The THERMAX® Guarantee

Committed to responsible development, Cancarb’s management process is certified to ISO9001 and ISO14001.

The Thermax® product line includes standard grades N990 and N991, as well as specialty grades N907 and N908 (Stainless), N990UP (Ultra Pure), N991UP, and N908UP.

All grades of Thermax® are manufactured under strictly controlled conditions from high quality, commercial grade natural gas. As a result, manufacturers using Thermax® are assured of the overall consistency of the product.

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July 2013