Carbon Fiber & Graphite

High-Strength Lightweight Carbon Fiber Laminate

An epoxy holds this combination of carbon fibers together creating a strong, yet lightweight material, which also has an attractive finish.

**Flexible Carbon Sheets**
- Color: Opaque black
- Max. Temp.: 180° F, low end not rated
- Machine using carbide tools
- Not rated as a temperature insulator
- Flexural Strength: 60,000 psi
- Compressive Strength: 60,000 psi

Width and length tolerances are ±1.0%.

| Thick. | Tolerance | OD | ID | Wall Thickness | Each
<table>
<thead>
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<tbody>
<tr>
<td>1/8&quot;</td>
<td>±0.008&quot;</td>
<td>8658SK52</td>
<td>65.63</td>
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<td>$91.75</td>
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<td>103.15</td>
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**Rigid Bars and Sheets**
- Color: Opaque black
- Temperature Range: -50° to +180° F
- Machine using carbide tools
- Not rated as a temperature insulator
- Flexural Strength: 110,000 psi
- Compressive Strength: 16,000 psi

Width and length tolerances are ±1.0%.

| Thick. | Tolerance | OD | ID | Wall Thickness | Each
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**Rigid Thin-Wall Carbon Tubes**
- Color: Opaque black
- Machine using diamond tools
- Good temperature insulator
- Flexural Strength: 174,000 psi
- Compressive Strength: 128,000 psi

ID tolerance is ±0.005%. Wall thickness tolerance is ±0.005%. Sold in 1-ft. lengths. Length tolerance is ±0.125%. Carbon fiber visible in material.

**OD** | **ID** | **Wall Thickness** | **Each**
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<tbody>
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<tr>
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<td>1.00&quot;</td>
<td>0.05&quot;</td>
<td>2257T14</td>
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**RECTORANGULAR BARS**
- Color: Opaque black
- Temperature Range: -100° to +200° F
- Not rated as a temperature insulator
- Machine using carbide tools
- Not rated as a temperature insulator
- Flexural Strength: Not Rated
- Compressive Strength: Not Rated

| Dia. | Lg. | Each
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<tbody>
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<tr>
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**Sheets**
- Standard: 1/4" x 8" x 204"
- Premium: 1/4" x 8" x 204"
- Standard width and length tolerances are ±0.013%.
- Premium width and length tolerances are ±0.005%.

| Thick. | Tolerance | OD | ID | Wall Thickness | Each
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**ROPES**
- Length tolerance is ±0.125%.

Great for fixtures for glass-to-metal sealing, heat elements, furnace parts, and other refractory applications. Isomolded to produce a very fine grain (0.0004") graphite, which gives you high strength and high density. Often used to manufacture crucibles or ingot molds because it does not adhere to metal. Premium sheets have an ultrafine grain size of 0.00005", which holds tighter tolerances over the life of the graphite.