

Avalon 89

Polytetrafluoroethylene
Greene, Tweed & Co.

Message:

Avalon 89 is a Polytetrafluoroethylene (PTFE) product filled with carbon fiber and filler. It is available in North America. Primary characteristic: lubricated.

| General Information | | | |
|---------------------------------------|---------------|---------------------------------------|-------------|
| Filler / Reinforcement | Carbon Fiber | | |
| | Filler | | |
| Additive | Lubricant | | |
| Features | Lubricated | | |
| Appearance | Black | | |
| | Brown | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.95 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 65 to 70 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 15.2 | MPa | ASTM D4745 |
| Tensile Elongation (Break) | 190 | % | ASTM D4745 |
| Shear Strength | | | ASTM D732 |
| 27°C | 19.0 | MPa | |
| 66°C | 17.6 | MPa | |
| 93°C | 17.2 | MPa | |
| 121°C | 14.8 | MPa | |
| 149°C | 14.1 | MPa | |
| 204°C | 14.1 | MPa | |
| Coefficient of Friction | | | ASTM D3702 |
| vs. Itself - Dynamic | 0.24 to 0.30 | | |
| vs. Itself - Static | 0.11 to 0.22 | | |
| Deformation Under Load (26°C, 14 MPa) | 2.50 | % | ASTM D621 |
| Wear Factor | 1.8 | 10 ⁻⁸ mm ³ /N·m | ASTM D3702 |

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