

Electrafil® PA6/6 G/CF15 C - 2 BK

Polyamide 66

Techmer Engineered Solutions

Message:

Electrafil® PA6/6 G/CF15 C - 2 BK is a Polyamide 66 (Nylon 66) product filled with glass\carbon fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Carbon Black

| General Information | | | |
|-------------------------------------|--------------------|-------------------|-------------|
| Filler / Reinforcement | Glass\Carbon Fiber | | |
| Additive | Carbon Black | | |
| Appearance | Black | | |
| | Colors Available | | |
| | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.19 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.60 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 86 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 84.1 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 4.5 | % | ASTM D638 |
| Flexural Modulus | 3930 | MPa | ASTM D790 |
| Flexural Strength | 131 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 85 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 260 | °C | |
| 1.8 MPa, Unannealed | 243 | °C | |
| CLTE - Flow | 3.1E-5 | cm/cm/°C | ASTM D696 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+2 to 1.0E+5 | ohms | ASTM D257 |
| Volume Resistivity | 1.0E+3 to 1.0E+5 | ohms · cm | ASTM D257 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.50 mm) | HB | | UL 94 |

| Additional Information | Nominal Value |
|------------------------|---------------|
|------------------------|---------------|

TPCI #

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