

**Edgetek™ AT-20GF/000 BLACK**

POM-GF20

Avient Corporation

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ASTM Data</b>                           |              |             |                      |
| Mold Shrinkage, MD                         | <b>0.009</b> | mm/mm       | ASTM D 955           |

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Strength             | <b>75</b>    | MPa         | ASTM D 638           |
| Flexural Modulus             | <b>6250</b>  | MPa         | ASTM D 790           |
| Flexural Strength            | <b>135</b>   | MPa         | ASTM D 790           |
| Izod Impact notched, 1/8 in  | <b>50</b>    | J/m         | ASTM D 256           |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>HB</b>    | -           | UL 94                |
| Thickness tested          | <b>1.6</b>   | mm          | -                    |
| DTUL @ 264 psi            | <b>150</b>   | °C          | ASTM D 648           |

| <b>Electrical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Surface Resistivity          | <b>1E15</b>  | Ohm         | ASTM D 257           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1540</b>  | kg/m <sup>3</sup> | ASTM D 792           |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>80 - 90</b>   | °C          | -                    |
| Pre-drying - Time                                  | <b>2 - 3</b>     | h           | -                    |
| Mold temperature                                   | <b>75 - 85</b>   | °C          | -                    |
| Zone 1   | <b>190 - 200</b> | °C          | -                    |
| Zone 2   | <b>190 - 200</b> | °C          | -                    |
| Zone 3   | <b>190 - 200</b> | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer

**Delivery form**

Black

**Regional Availability**

Asia Pacific