

**LubriOne™ PC-30GF/15T BLACK**

(PC+PTFE)-GF30

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>0.002</b>     | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| Tensile Modulus                                    | <b>6800</b>      | MPa               | ASTM D 638           |
| Tensile Strength                                   | <b>115</b>       | MPa               | ASTM D 638           |
| Elongation at Break                                | <b>3.5</b>       | %                 | ASTM D 638           |
| Flexural Modulus                                   | <b>8100</b>      | MPa               | ASTM D 790           |
| Flexural Strength                                  | <b>170</b>       | MPa               | ASTM D 790           |
| Izod Impact notched, 1/8 in                        | <b>220</b>       | J/m               | ASTM D 256           |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| UL 94 Flame rating                                 | <b>V-0</b>       | -                 | UL 94                |
| Thickness tested                                   | <b>6</b>         | mm                | -                    |
| DTUL @ 264 psi                                     | <b>139</b>       | °C                | ASTM D 648           |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| Surface Resistivity                                | <b>1E15</b>      | Ohm               | ASTM D 257           |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1550</b>      | kg/m <sup>3</sup> | ASTM D 792           |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>120 - 130</b> | °C                | -                    |
| Pre-drying - Time                                  | <b>3 - 4</b>     | h                 | -                    |
| Mold temperature                                   | <b>80 - 110</b>  | °C                | -                    |
| Zone 1   | <b>290 - 310</b> | °C                | -                    |
| Zone 2   | <b>290 - 310</b> | °C                | -                    |
| Zone 3   | <b>290 - 310</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Delivery form**

Pellets, Black

**Regional Availability**

Asia Pacific