

**Bergamid™ AB70 MI30 GR012**

PA66-MX30

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>0.0065</b>    | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Charpy notched impact strength, +23°C              | <b>6</b>         | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| Tensile Strength                                   | <b>75</b>        | MPa               | ASTM D 638           |
| Flexural Modulus                                   | <b>4500</b>      | MPa               | ASTM D 790           |
| Flexural Strength                                  | <b>135</b>       | MPa               | ASTM D 790           |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| DTUL @ 264 psi                                     | <b>170</b>       | °C                | ASTM D 648           |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| Surface Resistivity                                | <b>1E12</b>      | Ohm               | ASTM D 257           |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1370</b>      | kg/m <sup>3</sup> | ASTM D 792           |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>80 - 90</b>   | °C                | -                    |
| Pre-drying - Time                                  | <b>4 - 6</b>     | h                 | -                    |
| Melt temperature                                   | <b>260 - 280</b> | °C                | -                    |
| Mold temperature                                   | <b>65 - 85</b>   | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific