

**DOMAMID 6G30 623 NC**

PA6-GF30

DOMO Engineering Plastics

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>     | <b>Unit</b>        | <b>Test Standard</b> |
|--|------------------|--------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                    |                      |
| Molding shrinkage, parallel                        | <b>0.3</b>       | %                  | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | <b>1.0</b>       | %                  | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |                  |                    |                      |
| <b>ISO Data</b>                                    |                  |                    |                      |
| Tensile Modulus                                    | <b>9300</b>      | MPa                | ISO 527              |
| Stress at break                                    | <b>180</b>       | MPa                | ISO 527              |
| Strain at break                                    | <b>3</b>         | %                  | ISO 527              |
| Flexural modulus, 23°C                             | <b>7250</b>      | MPa                | ISO 178              |
| Charpy impact strength, +23°C                      | <b>95</b>        | kJ/m <sup>2</sup>  | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | <b>13</b>        | kJ/m <sup>2</sup>  | ISO 179/1eA          |
| <b>Thermal properties</b>                          |                  |                    |                      |
| <b>ISO Data</b>                                    |                  |                    |                      |
| Melting temperature, 10°C/min                      | <b>221</b>       | °C                 | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa           | <b>210</b>       | °C                 | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | <b>220</b>       | °C                 | ISO 75-1/-2          |
| Vicat softening temperature, B                     | <b>214</b>       | °C                 | ISO 306              |
| <b>Electrical properties</b>                       |                  |                    |                      |
| <b>ISO Data</b>                                    |                  |                    |                      |
| Volume resistivity                                 | <b>1E12</b>      | Ohm*m              | IEC 62631-3-1        |
| Surface resistivity                                | <b>1E15</b>      | Ohm                | IEC 62631-3-2        |
| <b>Other properties</b>                            |                  |                    |                      |
| Density  | <b>1360</b>      | kg/m <sup>3</sup>  | ISO 1183             |
| <b>Material specific properties</b>                |                  |                    |                      |
| <b>ISO Data</b>                                    |                  |                    |                      |
| Viscosity number                                   | <b>145</b>       | cm <sup>3</sup> /g | ISO 307, 1157, 1628  |
| <b>Processing Recommendation Injection Molding</b> |                  |                    |                      |
| Pre-drying - Temperature                           | <b>75 - 85</b>   | °C                 | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h                  | -                    |
| Melt temperature                                   | <b>250 - 290</b> | °C                 | -                    |
| Mold temperature                                   | <b>80 - 100</b>  | °C                 | -                    |

**Characteristics****Processing**

Injection Molding

**Features**

Nucleated

**Delivery form**

Natural Color

**Regional Availability**

North America, Europe, Asia Pacific