

**DOMAMID 66M40H1**

PA66-MD40

DOMO Engineering Plastics

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>6000</b>  | MPa               | ISO 527              |
| Stress at break                       | <b>90</b>    | MPa               | ISO 527              |
| Strain at break                       | <b>6</b>     | %                 | ISO 527              |
| Flexural modulus, 23°C                | <b>5800</b>  | MPa               | ISO 178              |
| Charpy impact strength, +23°C         | <b>100</b>   | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>5.5</b>   | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Izod impact strength, +23°C           | <b>80</b>    | kJ/m <sup>2</sup> | ISO 180/1U           |
| Izod notched impact strength, +23°C   | <b>5.5</b>   | kJ/m <sup>2</sup> | ISO 180/1A           |

| <b>Thermal properties</b>                | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                          |              |             |                      |
| Melting temperature, 10°C/min            | <b>262</b>   | °C          | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa | <b>180</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>245</b>   | °C          | ISO 306              |
| Burning behav. at thickness h            | <b>HB</b>    | class       | IEC 60695-11-10      |
| Thickness tested                         | <b>0.8</b>   | mm          | -                    |

| <b>Electrical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ISO Data</b>              |              |             |                      |
| Volume resistivity           | <b>1E13</b>  | Ohm*m       | IEC 62631-3-1        |
| Surface resistivity          | <b>1E13</b>  | Ohm         | IEC 62631-3-2        |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1470</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>75 - 85</b>   | °C          | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h           | -                    |
| Melt temperature                                   | <b>270 - 290</b> | °C          | -                    |
| Mold temperature                                   | <b>80 - 100</b>  | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat