

DOMAMID FR 6V0MUV1

PA6

DOMO Engineering Plastics

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.0 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 3400 / 1500 | MPa | ISO 527 |
| Yield stress | 80 / 40 | MPa | ISO 527 |
| Strain at break | 15 / >50 | % | ISO 527 |
| Flexural modulus, 23°C | 3200 / 1300 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 80 / N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 4 / 10 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | 70 / N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 3.5 / 10 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 221 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 70 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 180 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 205 / * | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E13 / - | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E13 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | | | |
| Density | 1170 / - | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| | Value | Unit | Test Standard |
| Pre-drying - Temperature | 75 - 85 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 230 - 250 | °C | - |
| Mold temperature | 60 - 80 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, U.V. stabilized or stable to weather