

ECONAMID PLUS 6G15

PA6-GF15

DOMO Engineering Plastics

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 5400 | MPa | ISO 527 |
| Stress at break | 115 | MPa | ISO 527 |
| Strain at break | 3 | % | ISO 527 |
| Flexural modulus, 23°C | 4700 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 35 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 4 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | 25 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 4.5 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 120 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 221 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 190 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 205 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 210 | °C | ISO 306 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

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

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1220 | 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 | 240 - 260 | °C | - |
| Mold temperature | 80 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific