

Badamid® PPA-HP2 GF60 H S3

(PPA+PA*)-GF60

Bada AG

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|----------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 21600 / 19500 | MPa | ISO 527 |
| Stress at break | 255 / 215 | MPa | ISO 527 |
| Strain at break | 2.3 / 2.7 | % | ISO 527 |
| Charpy impact strength, +23°C | 90 / 110 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 / 19 | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 200 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 240 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------|-------------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | 1E12 / - | Ohm*m | IEC 62631-3-1 |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Water absorption | 2.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 0.7 / * | % | Sim. to ISO 62 |
| Density | 1700 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 280 - 300 | °C | - |
| Mold temperature | 80 - 120 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa