

AKROMID® B3 natural (2500)

PA6

Akro-Plastic GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.1 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|-------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 3600 / 1200 | MPa | ISO 527 |
| Yield stress | 85 / 45 | MPa | ISO 527 |
| Flexural modulus, 23°C | 3100 / - | MPa | ISO 178 |
| Flexural strength | 120 / - | MPa | ISO 178 |
| Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | N / - | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 5 / 16 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 2 / - | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 60 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 180 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-2 / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Glow Wire Flammability Index (GWFI) | 750 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.6 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 675 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1.6 | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------|-------------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | 1E11 / 1E8 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E10 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Water absorption | 10 / * | % | Sim. to ISO 62 |
| Density | 1130 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Melt temperature | 270 | °C | - |
| Mold temperature | 80 | °C | - |
| Injection pressure | 75 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Regional Availability

Europe, Asia Pacific