

**Alamid® 6 VO**

PA6

Brenntag AG

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 1.5   | %    | ISO 294-4, 2577 |

| Mechanical properties         | Value | Unit              | Test Standard |
|-------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>               |       |                   |               |
| Tensile Modulus               | 3500  | MPa               | ISO 527       |
| Yield stress                  | 70    | MPa               | ISO 527       |
| Strain at break               | 5     | %                 | ISO 527       |
| Charpy impact strength, +23°C | 80    | kJ/m <sup>2</sup> | ISO 179/1eU   |

| Thermal properties                       | Value | Unit  | Test Standard   |
|------------------------------------------|-------|-------|-----------------|
| <b>ISO Data</b>                          |       |       |                 |
| 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     |
| Burning behav. at thickness h            | V-0   | class | IEC 60695-11-10 |
| Thickness tested                         | 3.2   | mm    | -               |
| Glow Wire Flammability Index (GWFI)      | 850   | °C    | IEC 60695-2-12  |
| GWFI - thickness tested (1)              | 2     | mm    | -               |

| Electrical properties      | Value | Unit | Test Standard |
|----------------------------|-------|------|---------------|
| <b>ISO Data</b>            |       |      |               |
| Comparative tracking index | 600   | -    | IEC 60112     |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1180  | kg/m <sup>3</sup> | ISO 1183      |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Flame retardant