

# SLOVAMID® 66 GF 25 E

Polyamide 66

Plastcom



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## Technical Data

### Product Description

PA 66 for extrusion and injection moulding grade. Chemically reinforced with 25% glass fibre, determined for extrusion of profile systems for window profiles. Delivered in natural and according to RAL color.

### General

|                           |                                                   |                     |
|---------------------------|---------------------------------------------------|---------------------|
| Material Status           | • Commercial: Active                              |                     |
| Search for UL Yellow Card | • <b>Plastcom</b>                                 |                     |
| Availability              | • Europe                                          |                     |
| Filler / Reinforcement    | • Glass Fiber Reinforcement, 25% Filler by Weight |                     |
| Additive                  | • Heat Stabilizer                                 |                     |
| Features                  | • Chemically Coupled                              | • Heat Stabilized   |
| Uses                      | • Profiles                                        | • Windows & Doors   |
| Appearance                | • Colors Available                                | • Natural Color     |
| Processing Method         | • Extrusion                                       | • Injection Molding |

| Physical                                  | Nominal Value Unit | Test Method |
|-------------------------------------------|--------------------|-------------|
| Density                                   | 1.27 g/cm³         | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (275°C/2.16 kg) | 15 g/10 min        | ISO 1133    |
| Water Content                             | 0.15 %             | ISO 960     |

| Mechanical             | Nominal Value Unit | Test Method |
|------------------------|--------------------|-------------|
| Tensile Modulus        | 8500 MPa           | ISO 527-2   |
| Tensile Stress (Yield) | 115 MPa            | ISO 527-2   |
| Tensile Strain (Yield) | 3.5 %              | ISO 527-2   |
| Flexural Modulus       | 5300 MPa           | ISO 178     |
| Flexural Strength      | 175 MPa            | ISO 178     |

| Impact                           | Nominal Value Unit | Test Method |
|----------------------------------|--------------------|-------------|
| Charpy Notched Impact Strength   |                    | ISO 179     |
| -20°C                            | 3.5 kJ/m²          |             |
| 23°C                             | 4.0 kJ/m²          |             |
| Charpy Unnotched Impact Strength |                    | ISO 179     |
| -20°C                            | 44 kJ/m²           |             |
| 23°C                             | 50 kJ/m²           |             |

| Thermal                     | Nominal Value Unit | Test Method |
|-----------------------------|--------------------|-------------|
| Heat Deflection Temperature |                    | ISO 75-2/B  |
| 0.45 MPa, Unannealed        | 250 °C             |             |
| Vicat Softening Temperature | 250 °C             | ISO 306/B   |
| Melting Temperature (DSC)   | 260 °C             | ISO 3146    |

| Electrical          | Nominal Value Unit | Test Method |
|---------------------|--------------------|-------------|
| Surface Resistivity | 1.0E+14 ohm        | IEC 60093   |
| Volume Resistivity  | 1.0E+15 ohm·cm     | IEC 60093   |
| Electric Strength   | 25 kV/mm           | IEC 60243-1 |

| Flammability                   | Nominal Value Unit | Test Method    |
|--------------------------------|--------------------|----------------|
| Flame Rating                   | HB                 | UL 94          |
| Glow Wire Ignition Temperature | 650 °C             | IEC 60695-2-13 |

| Injection              | Nominal Value Unit |
|------------------------|--------------------|
| Drying Temperature     | 80.0 °C            |
| Drying Time            | 4.0 hr             |
| Processing (Melt) Temp | 250 to 270 °C      |

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## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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### Where to Buy

#### Supplier

##### **Plastcom**

Bratislava, Slovakia

**Telephone:** 00421 2 44 259 160

**Web:** <http://www.plastcom.sk/>

#### Distributor

Please contact the supplier to find a distributor for SLOVAMID® 66 GF 25 E



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