

**Pocan® KU1-7625 901510**  
 (PBT+PC)-GF20

Envalior

Injection Molding, 20% Glass Reinforced, Excellent Surface Properties, Low Warpage

ISO 1043 (PBT+PC)-GF20

| Rheological properties     | Value | Unit      | Test Standard |
|----------------------------|-------|-----------|---------------|
| <b>ISO Data</b>            |       |           |               |
| Melt volume-flow rate, MVR | 30    | cm³/10min | ISO 1133      |
| Temperature                | 260   | °C        | -             |
| Load                       | 5     | kg        | -             |

| Mechanical Properties           | Value | Unit  | Test Standard |
|---------------------------------|-------|-------|---------------|
| <b>ISO Data</b>                 |       |       |               |
| Tensile Modulus                 | 5500  | MPa   | ISO 527       |
| Stress at Break                 | 85    | MPa   | ISO 527       |
| Strain at Break                 | 3.4   | %     | ISO 527       |
| Impact Strength (Charpy), +23°C | 40    | kJ/m² | ISO 179/1eU   |
| Impact Strength (Charpy), -30°C | 40    | kJ/m² | ISO 179/1eU   |

| Thermal Properties                          | Value | Unit  | Test Standard  |
|---------------------------------------------|-------|-------|----------------|
| <b>ISO Data</b>                             |       |       |                |
| Melting Temperature (10°C/min)              | 225   | °C    | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa)   | 115   | °C    | ISO 75-1/-2    |
| Temp. of deflection under load (0.45 MPa)   | 150   | °C    | ISO 75-1/-2    |
| Coeff. of Linear Therm. Expansion, parallel | 40    | E-6/K | ISO 11359-1/-2 |
| Coeff. of Linear Therm. Expansion, normal   | 70    | E-6/K | ISO 11359-1/-2 |
| Burning Behav. at 1.5 mm Nom. Thicken.      | HB    | class | UL 94          |
| Thickness tested                            | 1.5   | mm    | -              |

| Other Properties    | Value | Unit  | Test Standard  |
|---------------------|-------|-------|----------------|
| <b>ISO Data</b>     |       |       |                |
| Water Absorption    | 0.3   | %     | Sim. to ISO 62 |
| Humidity absorption | 0.1   | %     | Sim. to ISO 62 |
| Density             | 1390  | kg/m³ | ISO 1183       |

| Material Specific Properties | Value | Unit  | Test Standard       |
|------------------------------|-------|-------|---------------------|
| <b>ISO Data</b>              |       |       |                     |
| Viscosity number             | 62    | cm³/g | ISO 307, 1157, 1628 |

| Test specimen production            | Value | Unit | Test Standard |
|-------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                     |       |      |               |
| Injection Molding, melt temperature | 260   | °C   | ISO 294       |
| Injection Molding, mold temperature | 80    | °C   | ISO 294       |

**Characteristics**
**Processing**

Injection Molding

**Special Characteristics**

Heat aging stabilized

**Delivery form**

Pellets

**Features**

Low Warpage

**Additives**

Release agent

**Injection Molding**

PREPROCESSING

## PROCESSING

### Disclaimer

#### Liability Exclusion

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