

**KEBATER PBT B600**

PBT

Barlog plastics GmbH

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 1.8   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 1.8   | %    | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 2600  | MPa               | ISO 527       |
| Yield stress                          | 55    | MPa               | ISO 527       |
| Yield strain                          | 4     | %                 | ISO 527       |
| Charpy impact strength, +23°C         | 100   | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy impact strength, -30°C         | 100   | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 7.5   | kJ/m <sup>2</sup> | ISO 179/1eA   |

| 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    | 60    | °C    | ISO 75-1/-2    |
| Temp. of deflection under load, 0.45 MPa    | 155   | °C    | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 125   | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal   | 125   | E-6/K | ISO 11359-1/-2 |

| Electrical properties | Value | Unit  | Test Standard |
|-----------------------|-------|-------|---------------|
| <b>ISO Data</b>       |       |       |               |
| Volume resistivity    | 1E14  | Ohm*m | IEC 62631-3-1 |
| Surface resistivity   | 1E14  | Ohm   | IEC 62631-3-2 |

| Other properties    | Value | Unit              | Test Standard  |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.2   | %                 | Sim. to ISO 62 |
| Density             | 1310  | kg/m <sup>3</sup> | ISO 1183       |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Features**

Tribologic Grade

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical, Encapsulation, Sports Equipment

**Regional Availability**

Europe