

**Durethan® BKV130H3.0 000000 DUS008**  
**PA6-I-GF30**

Envalior

Injection Molding, 30% Glass Reinforced, Heat Stabilized, Improved Impact

ISO 1043 PA6-I-GF30

| Mechanical Properties                   | dry / cond  | Unit  | Test Standard |
|-----------------------------------------|-------------|-------|---------------|
| <b>ISO Data</b>                         |             |       |               |
| Tensile Modulus                         | 9000 / 5200 | MPa   | ISO 527       |
| Stress at Break                         | 160 / 100   | MPa   | ISO 527       |
| Strain at Break                         | 4 / 7       | %     | ISO 527       |
| Impact Strength (Charpy), +23°C         | 95 / 110    | kJ/m² | ISO 179/1eU   |
| Impact Strength (Charpy), -30°C         | 80 / 80     | kJ/m² | ISO 179/1eU   |
| Notched Impact Strength (Charpy), +23°C | 18 / 28     | kJ/m² | ISO 179/1eA   |
| Notched Impact Strength (Charpy), -30°C | 10 / 10     | kJ/m² | ISO 179/1eA   |

| Thermal Properties                        | dry / cond | Unit | Test Standard  |
|-------------------------------------------|------------|------|----------------|
| <b>ISO Data</b>                           |            |      |                |
| Melting Temperature (10°C/min)            | 222 / *    | °C   | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 205 / *    | °C   | ISO 75-1/-2    |
| Temp. of deflection under load (0.45 MPa) | 220 / *    | °C   | ISO 75-1/-2    |

| Other Properties | dry / cond | Unit  | Test Standard |
|------------------|------------|-------|---------------|
| <b>ISO Data</b>  |            |       |               |
| Density          | 1360 / -   | kg/m³ | ISO 1183      |

| Test specimen production            | Value | Unit | Test Standard |
|-------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                     |       |      |               |
| Injection Molding, melt temperature | 280   | °C   | ISO 294       |
| Injection Molding, mold temperature | 80    | °C   | ISO 294       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 2 - 6     | h    | -             |
| Processing humidity                         | ≤0.12     | %    | -             |
| Melt temperature                            | 260 - 290 | °C   | -             |
| Mold temperature                            | 80 - 100  | °C   | -             |

**Characteristics**
**Processing**

Injection Molding

**Special Characteristics**

Impact modified, Heat aging stabilized

**Delivery form**

Pellets

**Injection Molding**
**PREPROCESSING**

Residual moisture content: 0.03 - 0.12%

Drying temperature dry air dryer: 80 °C

Drying time dry air dryer 2 - 6 h

**PROCESSING**

Melt temperature (Tmin - Tmax): 260 - 290 °C

Mold temperature: 80 - 100 °C

**Disclaimer**
**Liability Exclusion**

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