

**Ultramid® B3PG6 sw23346**  
**PA6-GF30**

BASF

| Rheological properties     | dry / cond | Unit      | Test Standard |
|----------------------------|------------|-----------|---------------|
| <b>ISO Data</b>            |            |           |               |
| Melt volume-flow rate, MVR | 22 / *     | cm³/10min | ISO 1133      |
| Temperature                | 275 / *    | °C        | -             |
| Load                       | 5 / *      | kg        | -             |

| Mechanical Properties                   | dry / cond   | Unit  | Test Standard |
|-----------------------------------------|--------------|-------|---------------|
| <b>ISO Data</b>                         |              |       |               |
| Tensile Modulus                         | 10500 / 5900 | MPa   | ISO 527       |
| Stress at Break                         | 190 / 106    | MPa   | ISO 527       |
| Strain at Break                         | 3.6 / 8.2    | %     | ISO 527       |
| Impact Strength (Charpy), +23°C         | 98 / 99      | kJ/m² | ISO 179/1eU   |
| Impact Strength (Charpy), -30°C         | 71 / 73      | kJ/m² | ISO 179/1eU   |
| Notched Impact Strength (Charpy), +23°C | 11.1 / 16.8  | kJ/m² | ISO 179/1eA   |
| Notched Impact Strength (Charpy), -30°C | 8.3 / 7.6    | kJ/m² | ISO 179/1eA   |

| Thermal Properties                        | dry / cond | Unit | Test Standard  |
|-------------------------------------------|------------|------|----------------|
| <b>ISO Data</b>                           |            |      |                |
| Melting Temperature (10°C/min)            | 220 / *    | °C   | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 206 / *    | °C   | ISO 75-1/-2    |
| Temp. of deflection under load (0.45 MPa) | 221 / *    | °C   | ISO 75-1/-2    |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Bulk density     | 700   | kg/m³ | -             |

| Material Specific Properties | dry / cond | Unit  | Test Standard       |
|------------------------------|------------|-------|---------------------|
| <b>ISO Data</b>              |            |       |                     |
| Viscosity number             | 154 / *    | cm³/g | ISO 307, 1157, 1628 |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 4         | h    | -             |
| Melt temperature                            | 270 - 290 | °C   | -             |
| Mold temperature                            | 80 - 90   | °C   | -             |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature            | 80        | °C   | -             |
| Pre-drying - Time                   | 4         | h    | -             |
| Melt temperature                    | 270 - 290 | °C   | -             |

**Characteristics**

| Processing                         | Features          |
|------------------------------------|-------------------|
| Injection Molding, Other Extrusion | Thermal Stability |
| Delivery form                      | Applications      |
| Pellets, Black                     | Automotive        |

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