

**Ultramid® B35W SW8215**  
**PA6**

BASF

| Mechanical Properties                   | Value    | Unit              | Test Standard |
|-----------------------------------------|----------|-------------------|---------------|
| <b>ISO Data</b>                         |          |                   |               |
| Tensile Modulus                         | 2600     | MPa               | ISO 527       |
| Yield stress                            | 75       | MPa               | ISO 527       |
| Yield strain                            | 3        | %                 | ISO 527       |
| Nominal strain at break                 | 30       | %                 | ISO 527       |
| Impact Strength (Charpy), +23°C         | no break | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Notched Impact Strength (Charpy), +23°C | 3        | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Flexural Modulus (23°C)                 | 2500     | MPa               | ISO 178       |

| Thermal Properties                        | Value | 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) | 50    | °C   | ISO 75-1/-2    |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 1130  | kg/m <sup>3</sup> | ISO 1183      |
| Bulk density     | 700   | kg/m <sup>3</sup> | -             |

| Material Specific Properties | Value | Unit               | Test Standard       |
|------------------------------|-------|--------------------|---------------------|
| <b>ISO Data</b>              |       |                    |                     |
| Viscosity number             | 170   | cm <sup>3</sup> /g | ISO 307, 1157, 1628 |

**Characteristics**

**Processing**

Other Extrusion, Pipe/Tube Extrusion, Wire/Cable Extrusion

**Special Characteristics**

Heat aging stabilized

**Delivery form**

Pellets, Black

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**Liability Exclusion**

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