

**BASF Ultramid® AZ HP UV BK 23220 PA66 (Dry)**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

**Material Notes:**

Description: Ultramid A3Z HP UV BK23220 is an impact modified PA66 containing heat and ultraviolet light stabilizers. Designed for maximum toughness at low temperatures, Ultramid A3Z HP UV BK23220 offers a unique combination of impact performance and excellent processability. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-AZ-HP-UV-BK-23220-PA66-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-AZ-HP-UV-BK-23220-PA66-Dry.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.08 g/cc | 0.0390 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties      | Metric                 | English                    | Comments         |
|----------------------------|------------------------|----------------------------|------------------|
| Tensile Strength, Yield    | 46.0 MPa               | 6670 psi                   | ISO 527          |
| Elongation at Break        | 50 %                   | 50 %                       | Nominal; ISO 527 |
| Flexural Modulus           | 1.703 GPa              | 247.0 ksi                  | ISO 178          |
| Izod Impact, Notched (ISO) | 22.0 kJ/m <sup>2</sup> | 10.5 ft-lb/in <sup>2</sup> | ISO 180          |
|                            | @Temperature -40.0 °C  | @Temperature -40.0 °F      |                  |
|                            | 83.0 kJ/m <sup>2</sup> | 39.5 ft-lb/in <sup>2</sup> | ISO 180          |
|                            | @Temperature 23.0 °C   | @Temperature 73.4 °F       |                  |

| Thermal Properties                          | Metric  | English | Comments |
|---------------------------------------------|---------|---------|----------|
| Melting Point                               | 258 °C  | 496 °F  | ISO 3146 |
| Deflection Temperature at 1.8 MPa (264 psi) | 63.0 °C | 145 °F  | ISO 75   |

| Processing Properties | Metric         | English          | Comments |
|-----------------------|----------------|------------------|----------|
| Melt Temperature      | 280 - 304 °C   | 536 - 579 °F     |          |
| Mold Temperature      | 60.0 - 100 °C  | 140 - 212 °F     |          |
| Drying Temperature    | 80.0 °C        | 176 °F           |          |
| Dry Time              | 2 - 4 hour     | 2 - 4 hour       |          |
| Moisture Content      | >= 0.20 %      | >= 0.20 %        |          |
| Injection Pressure    | 35.0 - 125 MPa | 5080 - 18100 psi |          |

| Back Pressure<br>Processing Properties | 0.000 - 0.350 MPa<br>Metric | 0.000 - 50.8 psi<br>English | Comments |
|----------------------------------------|-----------------------------|-----------------------------|----------|
| Screw Speed                            | 40 - 80 rpm                 | 40 - 80 rpm                 |          |

| Descriptive Properties | Value         | Comments |
|------------------------|---------------|----------|
| Color                  | BK 23220      |          |
| Commercial Status      | North America |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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