

# Ultramid® 66 H2 G/25-V0KB1 NAT0046

Polyamide 66

BASF Corporation

Message:

Ultramid® 66 H2 G/25-V0KB1 NAT0046 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Characteristics include:  
REACH Compliant  
RoHS Compliant

| General Information                               |                      |                   |             |
|---------------------------------------------------|----------------------|-------------------|-------------|
| UL YellowCard                                     | E36632-556445        |                   |             |
| Agency Ratings                                    | EC 1907/2006 (REACH) |                   |             |
| RoHS Compliance                                   | RoHS Compliant       |                   |             |
| Appearance                                        | Natural Color        |                   |             |
| Forms                                             | Pellets              |                   |             |
| Processing Method                                 | Injection Molding    |                   |             |
| Physical                                          | Nominal Value        | Unit              | Test Method |
| Density                                           | 1.35                 | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                                        | Nominal Value        | Unit              | Test Method |
| Tensile Stress (Break, 23°C)                      | 145                  | MPa               | ISO 527-2   |
| Tensile Strain (Break, 23°C)                      | 2.4                  | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                           | 7900                 | MPa               | ISO 178     |
| Impact                                            | Nominal Value        | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)             | 8.5                  | kJ/m <sup>2</sup> | ISO 179     |
| Notched Izod Impact Strength (23°C)               | 7.7                  | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                           | Nominal Value        | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 245                  | °C                | ISO 75-2/A  |
| Injection                                         | Nominal Value        | Unit              |             |
| Drying Temperature                                | 80.0                 | °C                |             |
| Drying Time                                       | 2.0 to 4.0           | hr                |             |
| Suggested Max Moisture                            | 0.050                | %                 |             |
| Processing (Melt) Temp                            | 285 to 300           | °C                |             |
| Mold Temperature                                  | 80.0 to 90.0         | °C                |             |
| Injection Pressure                                | 3.50 to 12.5         | MPa               |             |
| Injection Rate                                    | Fast                 |                   |             |

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