

# Anjacom® 300B

Polyamide 66  
Almaak International GmbH

Message:

Anjacom® 300B is a Polyamide 66 (Nylon 66) material. It is available in Europe for injection molding.

| General Information                     |                   |       |              |
|-----------------------------------------|-------------------|-------|--------------|
| Appearance                              | Natural Color     |       |              |
| Processing Method                       | Injection Molding |       |              |
| Physical                                | Nominal Value     | Unit  | Test Method  |
| Density (23°C)                          | 1.14              | g/cm³ | ISO 1183     |
| Water Absorption                        |                   |       | ISO 62       |
| 23°C, 24 hr                             | 8.5               | %     |              |
| Equilibrium, 23°C, 50% RH               | 2.8               | %     |              |
| Mechanical                              | Nominal Value     | Unit  | Test Method  |
| Tensile Modulus                         | 3100              | MPa   | ISO 527-2/1  |
| Tensile Stress (Yield)                  | 80.0              | MPa   | ISO 527-2/50 |
| Tensile Strain (Break)                  | 4.5               | %     | ISO 527-2/50 |
| Impact                                  | Nominal Value     | Unit  | Test Method  |
| Charpy Notched Impact Strength (23°C)   | 5.0               | kJ/m² | ISO 179/1eA  |
| Charpy Unnotched Impact Strength (23°C) | No Break          |       | ISO 179/1eU  |
| Thermal                                 | Nominal Value     | Unit  | Test Method  |
| Heat Deflection Temperature             |                   |       |              |
| 0.45 MPa, Unannealed                    | 240               | °C    | ISO 75-2/B   |
| 1.8 MPa, Unannealed                     | 75.0              | °C    | ISO 75-2/A   |
| Vicat Softening Temperature             | 240               | °C    | ISO 306/B50  |
| Melting Temperature (DSC)               | 260               | °C    | DSC          |
| Injection                               | Nominal Value     | Unit  |              |
| Drying Temperature                      | 80.0              | °C    |              |
| Drying Time                             | 4.0 to 10         | hr    |              |
| Suggested Max Moisture                  | 0.10              | %     |              |
| Processing (Melt) Temp                  | 280 to 300        | °C    |              |
| Mold Temperature                        | 80.0 to 100       | °C    |              |

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