

# ALTECH® PA66 ECO 1000/618 IM

Polyamide 66  
ALBIS PLASTIC GmbH

Message:

ALTECH®PA66 ECO 1000/618 IM is a polyamide 66 (nylon 66) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH®The application fields of PA66 ECO 1000/618 IM include housing and automobile industries.

Features include:

Comply with REACH standard

ROHS certification

| General Information                               |                                          |                        |             |
|---------------------------------------------------|------------------------------------------|------------------------|-------------|
| Uses                                              | Application in Automobile Field<br>Shell |                        |             |
| Agency Ratings                                    | EC 1907/2006 (REACH)                     |                        |             |
| RoHS Compliance                                   | RoHS compliance                          |                        |             |
| Processing Method                                 | Injection molding                        |                        |             |
| Physical                                          | Nominal Value                            | Unit                   | Test Method |
| Density                                           | 1.13                                     | g/cm <sup>3</sup>      | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)        | 90.0                                     | cm <sup>3</sup> /10min | ISO 1133    |
| Mechanical                                        | Nominal Value                            | Unit                   | Test Method |
| Tensile Modulus                                   | 2400                                     | MPa                    | ISO 527-2   |
| Tensile Stress                                    | 60.0                                     | MPa                    | ISO 527-2   |
| Tensile Strain (Break)                            | 6.0                                      | %                      | ISO 527-2   |
| Flexural Modulus                                  | 2400                                     | MPa                    | ISO 178     |
| Flexural Stress                                   | 90.0                                     | MPa                    | ISO 178     |
| Impact                                            | Nominal Value                            | Unit                   | Test Method |
| Charpy Notched Impact Strength                    |                                          |                        | ISO 179/1eA |
| --                                                | 3.0                                      | kJ/m <sup>2</sup>      | ISO 179/1eA |
| -40°C                                             | 3.0                                      | kJ/m <sup>2</sup>      | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  |                                          |                        | ISO 179/1eU |
| --                                                | 25                                       | kJ/m <sup>2</sup>      | ISO 179/1eU |
| -40°C                                             | 23                                       | kJ/m <sup>2</sup>      | ISO 179/1eU |
| Thermal                                           | Nominal Value                            | Unit                   | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 70.0                                     | °C                     | ISO 75-2/A  |
| Vicat Softening Temperature                       | 230                                      | °C                     | ISO 306/B50 |
| Injection                                         | Nominal Value                            | Unit                   |             |
| Drying Temperature - Desiccant Dryer              | 80                                       | °C                     |             |
| Drying Time - Desiccant Dryer                     | 2.0 - 12                                 | hr                     |             |
| Suggested Max Moisture                            | 0.10                                     | %                      |             |

|                        |           |    |
|------------------------|-----------|----|
| Processing (Melt) Temp | 270 - 290 | °C |
| Mold Temperature       | 40 - 80   | °C |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

