

# Adell Polyamide AB-18

Polyamide 66

Adell Plastics, Inc.

## Message:

Adell Polyamide AB-18 is a Polyamide 66 (Nylon 66) material filled with 40% glass bead. It is available in North America.

| General Information                 |                                 |                   |             |
|-------------------------------------|---------------------------------|-------------------|-------------|
| Filler / Reinforcement              | Glass Bead,40% Filler by Weight |                   |             |
| Forms                               | Pellets                         |                   |             |
| Physical                            | Nominal Value                   | Unit              | Test Method |
| Specific Gravity                    | 1.45                            | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow            | 0.80 to 1.1                     | %                 | ASTM D955   |
| Water Absorption (24 hr)            | 0.80                            | %                 | ASTM D570   |
| Hardness                            | Nominal Value                   | Unit              | Test Method |
| Rockwell Hardness                   |                                 |                   | ASTM D785   |
| M-Scale                             | 98                              |                   |             |
| R-Scale                             | 122                             |                   |             |
| Mechanical                          | Nominal Value                   | Unit              | Test Method |
| Tensile Strength (Yield)            | 96.5                            | MPa               | ASTM D638   |
| Tensile Elongation (Break)          | 2.0                             | %                 | ASTM D638   |
| Flexural Modulus                    | 4830                            | MPa               | ASTM D790   |
| Flexural Strength (Yield)           | 124                             | MPa               | ASTM D790   |
| Compressive Strength                | 252                             | MPa               | ASTM D695   |
| Impact                              | Nominal Value                   | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 37                              | J/m               | ASTM D256   |
| Thermal                             | Nominal Value                   | Unit              | Test Method |
| Deflection Temperature Under Load   |                                 |                   | ASTM D648   |
| 0.45 MPa, Unannealed                | 232                             | °C                |             |
| 1.8 MPa, Unannealed                 | 87.8                            | °C                |             |
| Melting Temperature                 | 254 to 266                      | °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



WECHAT