

# Adell Polyamide AS-70

Polyamide 66

Adell Plastics, Inc.

## Message:

Adell Polyamide AS-70 is a Polyamide 66 (Nylon 66) material. It is available in North America.

Important attributes of Adell Polyamide AS-70 are:

Good Weather Resistance

Heat Resistant

| General Information                 |                         |                   |             |
|-------------------------------------|-------------------------|-------------------|-------------|
| Features                            | Good Thermal Stability  |                   |             |
|                                     | Good Weather Resistance |                   |             |
| Forms                               | Pellets                 |                   |             |
| Physical                            | Nominal Value           | Unit              | Test Method |
| Specific Gravity                    | 1.14                    | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow            | 1.3 to 1.6              | %                 | ASTM D955   |
| Water Absorption (24 hr)            | 1.2                     | %                 | ASTM D570   |
| Hardness                            | Nominal Value           | Unit              | Test Method |
| Rockwell Hardness                   |                         |                   | ASTM D785   |
| M-Scale                             | 86                      |                   |             |
| R-Scale                             | 121                     |                   |             |
| Mechanical                          | Nominal Value           | Unit              | Test Method |
| Tensile Strength (Yield)            | 91.0                    | MPa               | ASTM D638   |
| Tensile Elongation (Break)          | 12                      | %                 | ASTM D638   |
| Flexural Modulus                    | 3170                    | MPa               | ASTM D790   |
| Flexural Strength (Yield)           | 119                     | MPa               | ASTM D790   |
| Compressive Strength                | 102                     | 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                | 196                     | °C                |             |
| 1.8 MPa, Unannealed                 | 78.9                    | °C                |             |
| Melting Temperature                 | 254 to 266              | °C                |             |
| CLTE - Flow                         | 7.2E-5                  | cm/cm/°C          | ASTM D696   |
| Thermal Conductivity                | 0.25                    | W/m/K             | ASTM C177   |
| Electrical                          | Nominal Value           | Unit              | Test Method |
| Volume Resistivity                  | 3.9E+13                 | ohms · cm         | ASTM D257   |
| Dielectric Strength                 | 18                      | kV/mm             | ASTM D149   |

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

