

Adell Polyamide BS-30

Polyamide 6

Adell Plastics, Inc.

Message:

Adell Polyamide BS-30 is a polyamide 6 (nylon 6) material. This product is available in North America.
The typical application field of Adell Polyamide BS-30 is: automobile industry

| General Information | | | |
|---|---------------|-------------------|-------------|
| Features | General | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.13 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 1.1 - 1.4 | % | ASTM D955 |
| Water Absorption (24 hr) | 1.8 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness | | | ASTM D785 |
| Class m | 78 | | ASTM D785 |
| Class r | 118 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 75.8 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 60 | % | ASTM D638 |
| Flexural Modulus | 2690 | MPa | ASTM D790 |
| Flexural Strength | 103 | MPa | ASTM D790 |
| Compressive Strength | 62.1 | MPa | ASTM D695 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 59 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 182 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 63.9 | °C | ASTM D648 |
| Melting Temperature | 216 - 227 | °C | |
| Additional Information | | | |
| Specific Gravity, ASTM D792: 1.12 to 1.14 | | | |

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