

# Adell PP EA-14

Polypropylene Homopolymer

Adell Plastics, Inc.

## Message:

Adell PP EA-14 is a polypropylene homopolymer (PP Homopoly) material, which contains 20% talc filler. This product is available in North America. The main characteristics of Adell PP EA-14 are: homopolymer.

| General Information                       |                                   |                   |             |
|-------------------------------------------|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement                    | Talc filler, 20% filler by weight |                   |             |
| Features                                  | Homopolymer                       |                   |             |
| Forms                                     | Particle                          |                   |             |
| Physical                                  | Nominal Value                     | Unit              | Test Method |
| Specific Gravity                          | 1.04                              | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                  | 0.80 - 1.2                        | %                 | ASTM D955   |
| Water Absorption (24 hr)                  | 0.030                             | %                 | ASTM D570   |
| Hardness                                  | Nominal Value                     | Unit              | Test Method |
| Rockwell Hardness                         |                                   |                   | ASTM D785   |
| Class m                                   | 68                                |                   | ASTM D785   |
| Class r                                   | 98                                |                   | ASTM D785   |
| Mechanical                                | Nominal Value                     | Unit              | Test Method |
| Tensile Strength                          | 35.2                              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 25                                | %                 | ASTM D638   |
| Flexural Modulus                          | 2620                              | MPa               | ASTM D790   |
| Flexural Strength                         | 46.9                              | MPa               | ASTM D790   |
| Impact                                    | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)       | 27                                | J/m               | ASTM D256   |
| Unnotched Izod Impact (23°C, 3.18 mm)     | 330                               | J/m               | ASTM D256   |
| Dart Drop Impact                          | 0.678                             | J                 | ASTM D3029  |
| Thermal                                   | Nominal Value                     | Unit              | Test Method |
| Deflection Temperature Under Load         |                                   |                   | ASTM D648   |
| 0.45 MPa, not annealed                    | 118                               | °C                | ASTM D648   |
| 1.8 MPa, not annealed                     | 73.9                              | °C                | ASTM D648   |
| Melting Temperature                       | 171 - 193                         | °C                |             |
| Additional Information                    |                                   |                   |             |
| Specific Gravity, ASTM D792: 1.03 to 1.05 |                                   |                   |             |

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