

# Prixene® PH350I04

Polypropylene Homopolymer  
POLYMAT

Message:

Prixene® PH350I04 is a polypropylene homopolymer resin with high fluidity index, with a normal distribution of molecular weights and additives for general use. it has excellent processability and good rigidity / impact balance. Typical applications are in caps, cosmetics, toys, appliances and thin-walled parts with fast cycles.

The features presented are good processability and normal distribution of molecular weights.

The product form is in pellets. PP for injection molding. The material complies with FDA regulation title 21.CFR177.1520 (. C) 2.1.

| General Information                       |                            |                   |             |
|---|----------------------------|-------------------|-------------|
| Additive                                  | Unspecified Additive       |                   |             |
| Features                                  | Fast Molding Cycle         |                   |             |
|   | Good Processability        |                   |             |
|   | Homopolymer                |                   |             |
| Uses                                      | Appliances                 |                   |             |
|   | Caps                       |                   |             |
|   | Cosmetics                  |                   |             |
|   | Thin-walled Parts          |                   |             |
|   | Toys                       |                   |             |
| Agency Ratings                            | FDA 21 CFR 177.1520(c) 2.1 |                   |             |
| Forms                                     | Pellets                    |                   |             |
| Processing Method                         | Injection Molding          |                   |             |
| Physical                                  | Nominal Value              | Unit              | Test Method |
| Density                                   | 0.905                      | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 35                         | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value              | Unit              | Test Method |
| Rockwell Hardness (R-Scale)               | 109                        |                   | ASTM D785   |
| Mechanical                                | Nominal Value              | Unit              | Test Method |
| Tensile Strength (Yield)                  | 36.5                       | MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 10                         | %                 | ASTM D638   |
| Flexural Modulus                          | 1380                       | MPa               | ASTM D790   |
| Impact                                    | Nominal Value              | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 29                         | J/m               | ASTM D256   |

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