

# Osterlene® PPH12

Polypropylene Homopolymer

Osterman & Company

Message:

PPH12 is a general purpose polypropylene homopolymer for use in compounding and injection molding applications. Typical applications include general-purpose molding, disposable containers, caps, closures, and housewares. Osterlene PPH12 meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply. Contact your Osterman sales representative for more information.

| General Information |                             |
|---------------------|-----------------------------|
| Features            | Homopolymer                 |
|                     | Compliance of Food Exposure |
|                     | General                     |
| Uses                | Shield                      |
|                     | Household goods             |
|                     | Container                   |
|                     | General                     |
|                     | Shell                       |
| Agency Ratings      | FDA 21 CFR 177.1520         |
| Processing Method   | Composite                   |
|                     | Injection molding           |

| Physical   | Nominal Value | Unit     | Test Method |
|--|---------------|----------|-------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 12            | g/10 min | ASTM D1238  |
| Hardness   | Nominal Value | Unit     | Test Method |
| Rockwell Hardness (R-Scale)                              | 103           |          | ASTM D785   |
| Mechanical   | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                                 | 35.9          | MPa      | ASTM D638   |
| Tensile Elongation (Yield)                               | 7.0           | %        | ASTM D638   |
| Flexural Modulus   | 1590          | MPa      | ASTM D790   |
| Impact   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (23°C)                               | 21            | J/m      | ASTM D256   |
| Thermal  | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 90.0          | °C       | ASTM D648   |

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