

# Teldene® H17ML

Polypropylene Homopolymer  
National Petrochemical Industries Company (NATPET)

Message:

- Typical Applications
- Used for the production of thin-walled articles, containers, boxes, caps and closures, household articles, and toys.
- Componets of compounding applications
- Key Characteristics
- Medium-High fluidity
- Easy mold filling
- Short cycle times
- Good dimensional stability and high stiffness
- Food contact approval for specific applications (refer to NATPET)

| General Information                       |                             |                   |              |
|---|-----------------------------|-------------------|--------------|
| Features                                  | Good dimensional stability  |                   |              |
|   | Rigidity, high              |                   |              |
|   | Homopolymer                 |                   |              |
|   | Fast molding cycle          |                   |              |
|   | Medium liquidity            |                   |              |
|   | Compliance of Food Exposure |                   |              |
| Uses                                      | Thin wall parts             |                   |              |
|   | Shield                      |                   |              |
|   | Household goods             |                   |              |
|   | Container                   |                   |              |
|   | Shell                       |                   |              |
|   | Toys                        |                   |              |
| Processing Method                         | Extrusion                   |                   |              |
|   | Injection molding           |                   |              |
| Physical                                  | Nominal Value               | Unit              | Test Method  |
| Density (23°C)                            | 0.900                       | g/cm <sup>3</sup> | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 16                          | g/10 min          | ASTM D1238   |
| Mechanical                                | Nominal Value               | Unit              | Test Method  |
| Tensile Stress (Yield)                    | 35.0                        | MPa               | ISO 527-2/50 |
| Tensile Strain (Yield)                    | 13                          | %                 | ISO 527-2/50 |
| Flexural Modulus                          | 1550                        | MPa               | ISO 178      |
| Impact                                    | Nominal Value               | Unit              | Test Method  |
| Notched Izod Impact (23°C)                | 3.0                         | kJ/m <sup>2</sup> | ISO 180      |
| Thermal                                   | Nominal Value               | Unit              | Test Method  |

|  |               |      |             |
|--|---------------|------|-------------|
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 115           | °C   | ISO 75-2/B  |
| Vicat Softening Temperature                        | 155           | °C   | ISO 306/A50 |
| Extrusion  | Nominal Value | Unit |             |
| Melt Temperature                                   | 240 - 260     | °C   |             |

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