1. **Product identifier**

- Manufacturer: Pinnacle Polymers  
P.O. Drawer  
One Pinnacle Avenue  
Garyville, LA 70051
- Product Classification: Pinnacle Homopolymer  
- CAS Number: 9003-07-0  
- Chemical Name: polypropylene homopolymer  
- Emergency Telephone number: 985-535-2983  
- Telephone Number for Information: 985-535-1016

2. **Hazards identification**

- This production contains no substances subject to the reporting or planning requirement of SARA Title III.  
- Dust can irritate eyes.  
- Pellets may present a slipping hazard.  
- Melted polymer may stick to skin creating burns.  
- Static charges and discharges may be produced during product transfer.  
- Base polymer contains the elements hydrogen and carbon.

3. **Composition/information on ingredients**

- CAS Number: 9010-79-1  
- Chemical Name: Propene, polymer with ethylene (heterophasic copolymer)  
- Base polymer contains the elements hydrogen and carbon.  
- Less the 1% proprietary stabilizers.

4. **First aid measures**

- **Inhalation:** If there is excessive inhalation of flumes move person to fresh air. Get medical attention if symptoms continue.  
- **Skin Contact of Melted Material:** Do not pull molten polymer from skin. Cool with water. Get medical attention if burn is severe.  
- **Eye Contact:** If material is molten cool with water and get medical attention. If material is dust rinse with water and get medical attention if symptoms persist.  
- **Ingestion:** Remove material from mouth. Swallowed unmelted material should pose no hazard, but get medical attention if symptoms occur.
- Indication of any immediate medical attention and special treatment needed: No further information available.

5. Firefighting measures

- Fire class: A
- Extinguishing Media:
  Water mist
  Chemical powder
  Carbon dioxide
- Special hazards arising from the substance or mixture: Can create skin burns and dangerous loss of oxygen. Fire releases water, carbon dioxide, and carbon monoxide. If symptoms of carbon monoxide poison, or smoke inhalation exist, get immediate medical attention.
- Advice for firefighters: Use breathing equipment

6. Accidental release measures

- Personal precautions, protective equipment and emergency procedures: No special equipment or measures are necessary. See Section 8 for further information.
- Environmental precautions: Recycle if possible. Do not dispose of this product into the environment.
- Methods and material for containment and cleaning up:
  Soil: Sweep or suction. Recycle if possible. Provide disposal in adherence to local and federal laws.
  Water: Prevent spread of material. Recycle if possible or provide disposal in adherence to local and federal laws. Inform local authorizes of any spread into sewage or open bodies of water.
- Reference to other sections
  - Refer to Sections 8 and 13

7. Handling and storage

- Precautions for safe handling: Maintain good housekeeping. Avoid storage near highly flammable substances. Avoid spills and possible slippage falls caused by pellets. Avoid inhalation of dust. Ground equipment. Material can generate static electricity during transfer. Make sure equipment is grounded.
- Conditions for safe storage, including any incompatibilities: Avoid storage near flammable materials. Keep away from strong oxidizing agents. Store in clean dry areas away from direct sunlight, if possible.
- Specific end use(s): Handling and storage is recommended by professionals.
8. **Exposure controls/personal protection**

- **Respiratory protection:** Work in properly ventilated areas especially during melt processing, especially if significant smoke, dust or vapor is present.
- **Eye protection:** Avoid eye contact with dust or molten product. Wear goggles or face shield, especially when purging equipment.
- **Skin protection:** Avoid contact with molten product; wear heat resistant gloves and clothing.
- **Environmental exposure controls:** In accordance with local regulations.

9. **Physical and chemical properties**

- **Appearance:** Clear to opaque pellets.
- **Smell:** Odorless
- **Boiling point:** Not applicable
- **Density at 20° C:** 0.9 mg/g
- **Water Solubility:** Insoluble
- **Ignition Temperature:** >300°
- **pH:** Not applicable
- **Chemical composition:** Hydrocarbon

10. **Stability and Reactivity**

- **Conditions to Avoid:** The product is stable under normal conditions, however, avoid temperatures in excess of 300°C, static electricity, flames or sparks. Avoid dust accumulation. Dust may form an exposure mixture with air which can be ignited by sparks or other sources of ignition.
- **Chemical Stability:** Solid material stable under normal operating conditions of handling and use.
- **Materials to Avoid:** Avoid contact with strong oxidizing agents, flames or sparks.
- **Hazardous decomposition products:** Combustion products can contain carbon monoxide, irritating smoke. May contain ketones, aldehydes, hydrocarbons and volatile acids.

11. **Toxicological information**

- **Acute Toxicity:** No known acute toxicity.
- **Long term Toxicity:** No known.
12. Ecological information

- **Eco toxicity**: Not known to be chemically toxic.
- **Persistence and degradability**: Biologically non-degradable. Degrades under long term exposure to sunlight and/or heat.
- **Bio-accumulation potential**: Not known to be bio-accumulative.
- **Results of PBT abd vPvB assessment**: not applicable.

13. Disposal considerations

- **Recycling**: Product can be recycled.
- **Disposal**: In accordance with valid local regulations. Non-biodegradable polymer.

14. Transport information

- **Road (ADR)/Rail (DID)**: Not restricted to transport
- **UN Number**: Not applicable
- **Inland waterways (ADN)**: Not restricted for transport.
- **Marine (IMO)**: Not restricted for transport.
- **Air transport (ICAO/IATA)**: Not restricted for transport.

15. Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture. Complies with**:  
  United States: TSCA  
  Canada: DSL  
  RoHS  
  California Proposition 65  
  United States: FDA  
  Europe: EU 2023/2006  
  Europe: 2002/72 EC

- **Chemical safety assessment**: Not conducted.
16. Other information

- All information provided in this material safety datasheet is presented in good faith to the best of our knowledge.
- Purchaser bears sole responsibility for compliance with safety, health and environmental regulations and law concerning the use of this product.
1635

35 MELT FLOW HOMOPOLYMER

Product Description and Applications:

Pinnacle Polymers Polypropylene 1635 is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency.

This product is intended for low denier per filament yarns; extrusion coating applications; and specialty cast embossed films.

Features:

The 1635 product provides:

- Excellent color and processing stability
- Superior fiber spinning characteristics
- Resistance to gas fading
- Excellent component for extrusion coating
- Narrow Molecular Weight Distribution

Pinnacle’s polypropylene, as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form complies with appropriate requirements of CFR Title 21, Part 177, Subpart B, Section 177.1520 (c) 1.1a entitled “Olefin Polymers” of the Food Additives Amendment of 1958 to the United States Food, Drug and Cosmetic Act of 1938.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Traditional Units</th>
<th>SI Units</th>
<th>ASTM Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Rate 35 g/10 min.</td>
<td>35 g/10 min.</td>
<td>35 g/10 min.</td>
<td>D1238¹</td>
</tr>
<tr>
<td>Density at 23°C 0.9 g/cm³</td>
<td></td>
<td>900 kg/m³</td>
<td>D1505</td>
</tr>
<tr>
<td>Tensile Yield Strength, @ 51mm/min</td>
<td>5000 psi</td>
<td>34.5 MPa</td>
<td>D638</td>
</tr>
<tr>
<td>Yield Elongation, @ 51mm/min</td>
<td>10%</td>
<td>10%</td>
<td>D638</td>
</tr>
<tr>
<td>Flexural Modulus (1% secant) @ 1.27 mm/in</td>
<td>225,000 psi</td>
<td>1552 MPa</td>
<td>D790A²</td>
</tr>
<tr>
<td>Notched Izod impact strength, at 73°F/23°C</td>
<td>0.5 ft-lb/in</td>
<td>27 J/m</td>
<td>D256²</td>
</tr>
</tbody>
</table>

¹Condition L 230/2.16
²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

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