



IPP FILM

MAS  
**5641**

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We provide high quality polypropylene resin produced by one of the world's best technologies



# MAS 5641

**MAG5641** is a high-quality homopolymer polypropylene resin in pellet form designed for Inflated PP (IPP) film applications, particularly recommended for medium-thickness films above 30 microns, such as laundry bag and transparent packaging that require high clarity and clean appearance.

## APPLICATION:

- Laundry bag film
- Medium-thickness IPP film packaging
- Industrial and consumer transparent film

## CHARACTERISTICS:

- Smooth surface and clean appearance
- High optical clarity and low surface residue
- Neutral side color with bright visual tone
- Consistent processability and film stability
- Recommended for film thickness >30 micron, providing better openability and visual cleanliness



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[www.polytama.co.id](http://www.polytama.co.id)

**STABLE  
CLARITY**



## PHYSICAL PROPERTIES:

| Application                 | Unit                 | Standard Method | Typical Value |
|-----------------------------|----------------------|-----------------|---------------|
| Melt Flow Index             | gram/10 min          | ASTM D1238/L    | 10.5          |
| Tensile Strength at Yield   | Mpa                  | ASTM D638       | > 34          |
| Elongation at Yield         | %                    | ASTM D638       | > 6           |
| Flexural Modulus            | Mpa                  | ASTM D790       | > 1500        |
| Notched Izod Impact         | J/m                  | ASTM D256       | > 20          |
| Density                     | gram/cm <sup>3</sup> | ASTM D1505      | < 0.91        |
| Total Volatiles             | %                    | PP 15754        | < 0.1         |
| Melting Temperature         | °C                   | DSC             | 165           |
| HDT at 66 psi               | °C                   | ASTM D648       | 92 - 95       |
| Vicat Softening Temperature | °C                   | ASTM D1525L     | 152 - 155     |

- \* Values presented are typical laboratory average. Actual values may vary within moderate range.  
\*\* Improvements or amendments may apply to any product without alteration to the product code

## REGULATORY COMPLIANCE

This product complies to domestic and international recommendations and regulations regarding safety of materials used for food packaging, such as:

- ISO 22000 : 2015 for Food Safety Management System
- SNI No. 0594 : 2011 about Polypropylene
- BPOM RI Regulation No. HK. 03.1.23.07.11.6664 in 2011 about Supervision of Food Packaging
- CONEG Legislation on Packaging Material in the United States 2012 about Heavy Metal Content
- Halal Certification from Majelis Ulama Indonesia (Indonesian Council of Ulama)