



IPP FILM

MAS
5639

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Our products have
accomplished a great deal in
industrial safety standards



MAS 5639

MAS5639 is a polypropylene homopolymer resin developed for high-clarity and stiff Inflated PP (IPP) film applications, typically used for film thickness above 80 microns. It offers glass-like transparency, high stiffness, and excellent dimensional stability, making it ideal for premium food and souvenir packaging that requires superior optical appearance and structural strength.

APPLICATION:

- Food packaging (standing pouch, flat bottom pouch)
- High clarity IPP Film for display packaging

CHARACTERISTICS:

- Exceptional clarity with glass-like visual appearance
- High stiffness and dimensional stability for thicker films
- Recommended for thick IPP film applications (>80 micron) requiring rigidity and visual quality



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GLASS-LIKE



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	12
Tensile Strength at Yield	Mpa	ASTM D638	> 32
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1300
Notched Izod Impact	J/m	ASTM D256	> 30
Density	gram/cm ³	ASTM D1505	< 0.91
Total Volatiles	%	PP 15754	< 0.1
Melting Temperature	°C	DSC	165
HDT at 66 psi	°C	ASTM D648	90-100
Vicat Softening Temperature	°C	ASTM D1525L	140-155

* 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)