



INJECTION

MAS  
**4402**

**INJECTION**

We are proud to meet and exceed customer expectations through our products & services.



**GOOD  
IMPACT  
STRENGTH**

# MAS 4402

**MAS4402** is high quality homopolymer polypropylene resin in pellet form for injection molding products such as housewares, containers, cutlery, toys, etc

## APPLICATION:

- Housewares
- Cutlery

## CHARACTERISTICS:

- Good impact strength
- Outstanding processability
- Microwaveable



## PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	7.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D747	> 1550
Notched Izod Impact	J/m	ASTM D256	> 30
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



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

## 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)