

Masplene®

HOMOPOLYMER POLYPROPYLENE RESIN

	Grade	MFI g/10min	Application	Characteristics
EXTRUSION THERMO- FORMING	MAS 2158	1.8	• Drinking Cups • Jelly cups	• Excellent impact strength • Outstanding processability
	MAG 2158	2.0	• Sheets • Trays	• Odorless
	MAS 2159	2.3	• Drinking Cups • Jelly cups • Sheets • Trays	• Good impact strength • Outstanding processability • Odorless
	MAS 3160	2.7	• Drinking Cups • Jelly cups	• Excellent optical properties • Good impact strength
	MAG 3160	3.0	• Sheets • Trays	• Outstanding processability • Odorless
	MAG 2160			

YARN	MAS 2345	2.0	• Jumbo Bag	• Outstanding processability • Excellent tenacity
	MAG 2345		• Woven bag • Blow molding product < 2 litres	
	MAS 2352	2.4	• Jumbo bag	• Outstanding processability • High tenacity
	MAG 2352	2.8	• Woven bag	
	MAS 3352	3.2	• Woven bag	• Outstanding processability • Good tenacity • Low water carry over
	MAG 3352	3.5	• <i>Waring</i> • Block bottom valve bag • Plastic ropes	
	MAS 3355	4.1	• Woven bag	• Outstanding processability • Good stiffness • Low water carry over
	MAG 3355	4.6	• <i>Waring</i> • Block bottom valve bag • Plastic ropes	



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Polytama Plant:

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	Grade	MFI g/10min	Application	Characteristics
INJECTION	MAS 4402	7.0	<ul style="list-style-type: none"> Housewares Cutlery 	<ul style="list-style-type: none"> Outstanding processability Good impact strength Microwaveable
	MAG 4402	7.0		
	MAS 5402	12.0	<ul style="list-style-type: none"> Housewares Closures Containers Cutlery 	<ul style="list-style-type: none"> Outstanding processability Good impact strength Microwaveable
	MAG 5402	12.0		
	MAS 6402	17.0	<ul style="list-style-type: none"> Housewares Containers 	<ul style="list-style-type: none"> Outstanding processability High productivity Microwaveable
	MAG 7402	25.0		
IPP FILM	MAS 5637	10.5	<ul style="list-style-type: none"> Bags for garment and laundry Food packaging 	<ul style="list-style-type: none"> Outstanding processability Good openability Good side color Good transparency
	MAG 5637	11.0		
M - CPP FILM	MAS 4508	8.0	<ul style="list-style-type: none"> CPP Plain and Metallized Film 	<ul style="list-style-type: none"> Outstanding processability Good film strength and stiffness Applicable for metal bonding
BOPP FILM	MAS 3256	2.9	<ul style="list-style-type: none"> BOPP Plain and Metallized film 	<ul style="list-style-type: none"> Outstanding processability High transparency and gloss
FIBER	MAS 7702	24.5	<ul style="list-style-type: none"> Multifilament Sewing thread Carpets Webbing tape 	<ul style="list-style-type: none"> Outstanding processability Excellent spinability Good tenacity



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	Grade	MFI g/10min	Application	Characteristics
THIN WALL INJECTION MOLDING	MAS 9475	60	<ul style="list-style-type: none">• Thin wall food containers• Thin wall housewares	<ul style="list-style-type: none">• Excellent clarity & gloss• Good impact strength• Good processability
NON-WOVEN SPUNBOND	MAS 8770	35	<ul style="list-style-type: none">• Shopping bags• Napkins• Disposable clothes• Continuous multifilament yarn	<ul style="list-style-type: none">• Excellent flowability• Excellent drawability and spinnability• Good processability

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WHY GRANULE WHY PELLET

GRANULE (MAG)

is a virgin polypropylene prior to pelletizing process in the extruder

PELLET (MAS)

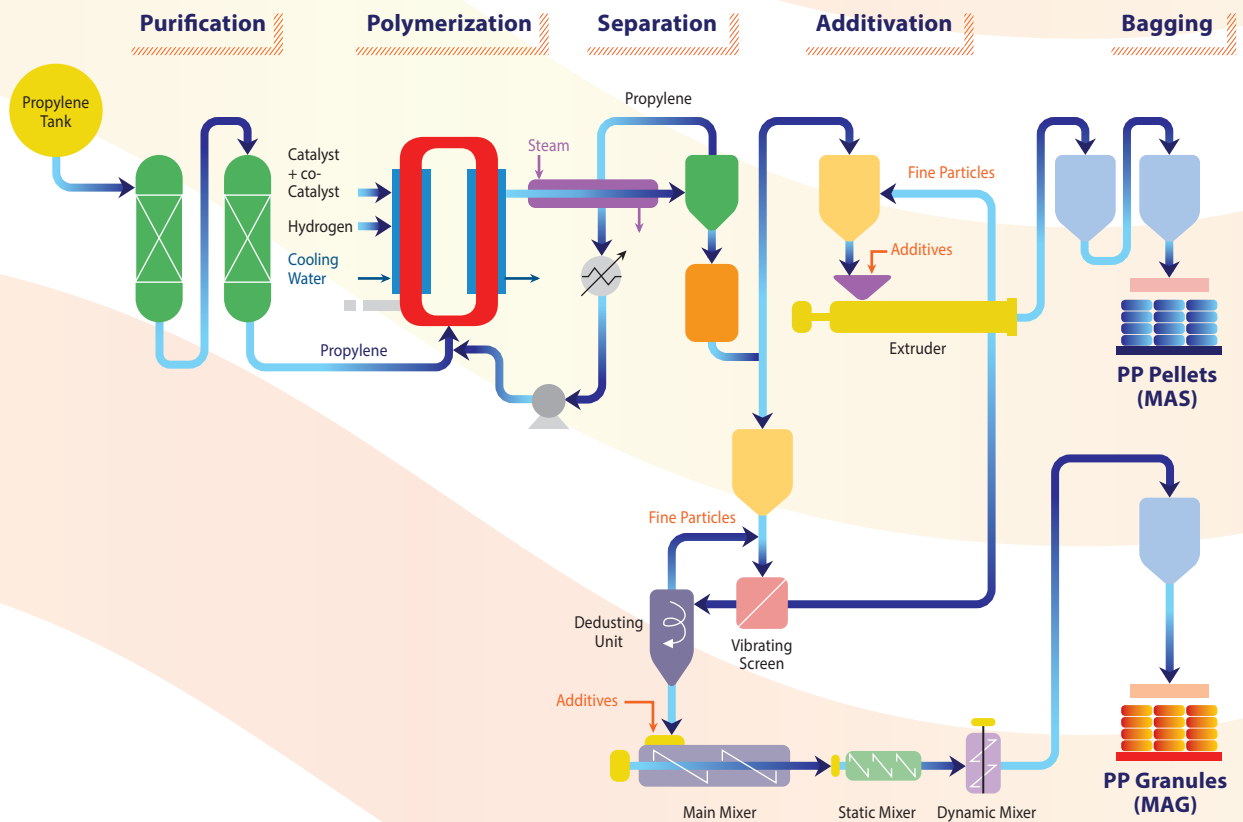
is a virgin polypropylene material that has been through pelletizing process in the extruder

Masplene[®] Granules is a **WORLD CLASS VIRGIN PP PRODUCT** that provides a **PRIME SOLUTION** in term of high quality, affordability, and reliability

GRANULE FORM :

1. Affordable
 - Raw material cost is cheaper than pellet form.
 - Cost-efficient for electricity (we recommend to lower the extruder's temperature).
2. Similar quality to pellet form.
3. Mainly recommended for extruder machine with low – medium capacity. Technical assistance services are provided for high capacity.
4. Recommended for material handling by screw conveyor. Technical assistance services are provided for autoloader and other handlers.
5. Continuous product availability.

Polypropylene Production PROCESS DIAGRAM





MAS
2158

**EXTRUSION
THERMOFORMING**

We provide materials and products
that are key to advanced solutions to
modern challenges



MAS 2158

MAS 2158 is high quality homopolymer polypropylene resin in pellet form for thin extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking cups
- Jelly cups
- Sheets
- Trays

CHARACTERISTICS:

- Excellent impact strength
- Outstanding processability
- Odorless



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**SUPER
THIN**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	1.8
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
Notched Izod Impact	J/m	ASTM D256	> 45
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	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)



MAS
2159

**EXTRUSION
THERMOFORMING**

The quality and safety of
our products for consumers
is our top priority



MAS 2159

MAS2159 is high quality homopolymer polypropylene resin in pellet form for extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking cups
- Jelly cups
- Sheets
- Trays

CHARACTERISTICS:

- Good impact strength
- Outstanding processability
- Odorless



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**GOOD
IMPACT
STRENGTH**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.3
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
Notched Izod Impact	J/m	ASTM D256	> 45
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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MAS
3160

**EXTRUSION
THERMOFORMING**

We have the world's most
widely used technology for
polypropylene production



MAS 3160

MAS3160 is high quality nucleated homopolymer polypropylene resin in pellet form for extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking Cups
- Jelly Cups
- Sheets
- Trays

CHARACTERISTICS:

- Excellent optical properties
- Good impact strength
- Outstanding processability
- Odorless



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**EXCELLENT
CLARITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.7
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
Notched Izod Impact	J/m	ASTM D256	> 45
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	105 - 110
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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MAG
2158

**EXTRUSION
THERMOFORMING**

We ensure the best value
proposition to various
industries in Indonesia



MAG 2158

MAG2158 is high quality homopolymer polypropylene resin in granule form for extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking Cups
- Jelly Cups
- Sheets
- Trays

CHARACTERISTICS:

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- Outstanding processability
- Odorless



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**SUPER
THIN**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
Notched Izod Impact	J/m	ASTM D256	> 45
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAG
3160

**EXTRUSION
THERMOFORMING**

We have a well-established
distribution network that
includes all major cities in Java



MAG 3160

MAG3160 is high quality nucleated homopolymer polypropylene resin in granule form for extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking Cups
- Jelly Cups
- Sheets
- Trays

CHARACTERISTICS:

- Excellent optical properties
- Good impact strength
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**EXCELLENT
CLARITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	3.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
Notched Izod Impact	J/m	ASTM D256	> 45
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	105 - 110
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAG
2160

**EXTRUSION
THERMOFORMING**

We have a well-established
distribution network that
includes all major cities in Java



MAG 2160

MAG2160 is high quality nucleated homopolymer polypropylene resin in granule form for extrusion thermoforming application such as drinking cups, beverage cups, etc

APPLICATION:

- Drinking Cups
- Jelly Cups
- Sheets
- Trays

CHARACTERISTICS:

- Excellent optical properties
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CLARITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
Notched Izod Impact	J/m	ASTM D256	> 45
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	105 - 110
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAS
2345

YARN

We constantly challenging ourselves to
meet the highest standards of quality
as measured by our customers



MAS 2345

MAS2345 is high quality homopolymer polypropylene resin in pellet form for slit tape application such as jumbo bag and blow molding application (small and medium containers up to 2 litres)

APPLICATION:

- Jumbo Bag
- Blow molding product < 2 litres

CHARACTERISTICS:

- Excellent tenacity
- Outstanding processability



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**TOUGH
AND
STRONG**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
Notched Izod Impact	J/m	ASTM D256	> 45
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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MAG
2345

YARN

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as measured by our customers



MAG 2345

MAG2345 is high quality homopolymer polypropylene resin in granule form for slit tape application such as jumbo bag and blow molding application (small and medium containers up to 2 litres)

APPLICATION:

- Jumbo Bag
- Blow molding product < 2 litres

CHARACTERISTICS:

- Excellent tenacity
- Outstanding processability



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**TOUGH
AND
STRONG**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.1
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
Notched Izod Impact	J/m	ASTM D256	> 45
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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YARN

MAS
2352

YARN

We focus on excellent and
friendly service as our main
approach to customers



MAS 2352

MAS2352 is high quality homopolymer polypropylene resin in pellet form for slit tape application such as jumbo and woven bags

APPLICATION:

- Jumbo bag
- Woven bag

CHARACTERISTICS:

- Outstanding processability
- High tenacity



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**TOUGH
AND
STRONG**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.4
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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YARN

MAS
3352

YARN

We strive to go beyond the
classic activities of customer
service and support



**GOOD
TENACITY**

MAS 3352

MAS3352 is high quality homopolymer polypropylene resin in pellet form for slit tape application such as woven bag, *waring*, plastic ropes etc

APPLICATION:

- Woven bag
- *Waring*
- Block bottom valve bag
- Plastic ropes

CHARACTERISTICS:

- Outstanding processability
- Good tenacity
- Low water carry over



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	3.2
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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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)



MAS
3355

YARN

We are committed to
increase our capabilities to
reach the highest standards



**GOOD
STIFFNESS**

MAS 3355

MAS3355 is high quality homopolymer polypropylene resin in pellet form for thin denier and medium speed slit tape application such as woven bag

APPLICATION:

- Woven bag
- *Waring*
- Block bottom valve bag
- Plastic ropes

CHARACTERISTICS:

- Outstanding processability
- Good stiffness
- Low water carry over



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	4.1
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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MAG
2352

YARN

Our total customer
care reflects who we
are as a company



**TOUGH
AND
STRONG**

MAG 2352

MAG2352 is high quality homopolymer polypropylene resin in granule form for slit tape application such as jumbo and woven bags

APPLICATION:

- Jumbo bag
- Woven bag

CHARACTERISTICS:

- Outstanding processability
- High tenacity



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.8
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1400
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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YARN

MAG
3352

YARN

We dare to make a difference in the way our genuine care is delivered to our customers and business partners



**GOOD
TENACITY**

MAG 3352

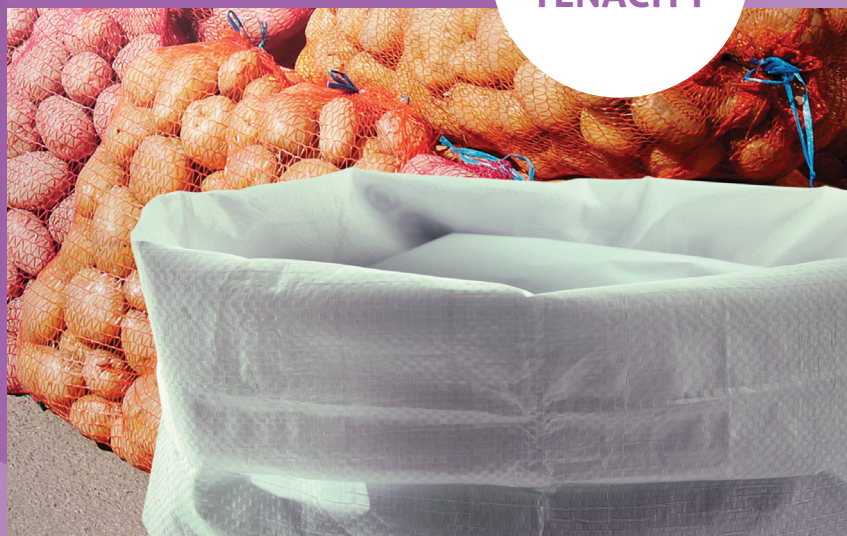
MAG3352 is high quality homopolymer polypropylene resin in granule form for slit tape application such as woven bag, *waring*, plastic ropes and etc

APPLICATION:

- Woven bag
- *Waring*
- Block bottom valve bag
- Plastic ropes

CHARACTERISTICS:

- Outstanding processability
- Good tenacity
- Low water carry over



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	3.5
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAG
3355

YARN

We value consistency and
believe in providing service
excellence full of sincerity



**HIGH
STIFFNESS**

MAG 3355

MAG3355 is high quality homopolymer polypropylene resin in granule form for thin denier and medium speed slit tape application such as woven bag

APPLICATION:

- Woven bag
- *Waring*
- Block bottom valve bag
- Plastic ropes

CHARACTERISTICS:

- Outstanding processability
- High stiffness
- Low water carry over



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	4.6
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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INJECTION



MAS
4402

INJECTION

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



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



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**GOOD
IMPACT
STRENGTH**



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 D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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INJECTION



MAG
4402

INJECTION

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MAG 4402

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APPLICATION:

- Housewares
- Cutlery

CHARACTERISTICS:

- Good impact strength
- Outstanding processability
- Microwaveable



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**GOOD
IMPACT
STRENGTH**



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 D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAS
5402

INJECTION

We understand that high
product quality is critical to
the people we serve



MAS 5402

MAS5402 is high quality homopolymer polypropylene resin in pellet form for injection molding products such as housewares, containers, cutlery, toys, etc

APPLICATION:

- Housewares
- Closures
- Containers
- Cutlery

CHARACTERISTICS:

- Outstanding processability
- Good impact strength
- Microwaveable



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**OUT-
STANDING
PROCESS-
ABILITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	12.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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INJECTION

MAS
6402

INJECTION

Our products reflect our resilience as
a dynamic leader of polypropylene
producer in Indonesia



MAS 6402

MAS6402 is high quality homopolymer polypropylene resin in pellet form for Injection molding products such as housewares, containers, etc

APPLICATION:

- Housewares
- Containers

CHARACTERISTICS:

- Outstanding processability
- High productivity
- Microwaveable



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F : +62 234 428 616

www.polytama.co.id

**HIGH
PRODUCTIVITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	17.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
Notched Izod Impact	J/m	ASTM D256	> 20
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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INJECTION

MAS
7402

INJECTION

Our technology is strategically
designed to enhance the reliability
of our products and services



MAS 7402

MAS7402 is high quality homopolymer polypropylene resin in pellet form for injection molding products such as housewares, containers, etc

APPLICATION:

- Housewares
- Containers

CHARACTERISTICS:

- Outstanding processability
- Good melt flow
- Microwaveable



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**HIGH
PRODUCTIVITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	23.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
Notched Izod Impact	J/m	ASTM D256	> 20
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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INJECTION

MAG
7402

INJECTION

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designed to enhance the reliability
of our products and services



MAG 7402

MAG7402 is high quality homopolymer polypropylene resin in granule form for injection molding products such as housewares, containers, etc

APPLICATION:

- Housewares
- Containers

CHARACTERISTICS:

- Outstanding processability
- Good melt flow
- Microwaveable



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**HIGH
PRODUCTIVITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	25.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
Notched Izod Impact	J/m	ASTM D256	> 20
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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MAG
5402

INJECTION

We are ready to provide high quality materials to support the success of our customers and business partners



MAG 5402

MAG5402 is high quality homopolymer polypropylene resin in granule form for injection molding products such as housewares, containers, cutlery, toys, etc

APPLICATION:

- Housewares
- Closures
- Containers
- Cutlery
- Toys

CHARACTERISTICS:

- Outstanding processability
- Good impact strength
- Microwavable



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**OUT-
STANDING
PROCESS-
ABILITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	12.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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IPP FILM

MAS
5637

IPP FILM

Our products have
accomplished a great deal in
industrial safety standards



**SUPER
THIN**

MAS 5637

MAS5637 is high quality homopolymer polypropylene resin in pellet form for inflated PP (IPP) film application such as food packaging, garment packaging etc

APPLICATION:

- Bags for garment & laundry
- Food packaging

CHARACTERISTICS:

- Outstanding processability
- Good openability
- Good side color
- Good transparency
- Film Thickness 12-60 micron



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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	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

* Values presented are typical laboratory average. Actual values may vary within moderate range.

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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)



IPP FILM

MAG
5637

IPP FILM

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



**SUPER
THIN**

MAG 5637

MAG5637 is high quality homopolymer polypropylene resin in granule form for inflated PP (IPP) film application such as food packaging, garment packaging etc

APPLICATION:

- Bags for garment and laundry
- Food packaging

CHARACTERISTICS:

- Outstanding processability
- Good openability
- Good side color
- Good transparency
- Film Thickness 12-60 micron



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www.polytama.co.id



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	11.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 6
Flexural Modulus	Mpa	ASTM D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155
Bulk Density	gram/cm ³	ASTM 1839	> 0.46

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M-CPP FILM

MAS
4508

M-CPP FILM

We ensure the implementation of
quality control, food safety, and
environment in all work activities



MAS 4508

MAS4508 is high quality homopolymer polypropylene resin in pellet form is free from slip additive & stearate that suitable for Metallized CPP film application such as food packaging.

APPLICATION:

- CPP Plain and Metallized Film

CHARACTERISTICS:

- Outstanding processability
- Good film strength and stiffness
- Applicable for metal bonding



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**METALLIZED
FILM**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	8.0
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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REGULATORY COMPLIANCE

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- SNI No. 0594 : 2011 about Polypropylene
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BOPP FILM

MAS
3256

BOPP FILM

Our technology enables us to produce
high quality resin to meet the needs of our
customers and business partners



MAS 3256

MAS3256 is high quality homopolymer polypropylene resin in pellet form for Bioriented PP (BOPP) film application such as plastic wraps, food packaging, adhesive film tape, cigarette wraps, etc

APPLICATION:

- BOPP Plain and Metallized film

CHARACTERISTICS:

- Outstanding processability
- High transparency and gloss



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**OUT-
STANDING
PROCESS-
ABILITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	2.7
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1500
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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REGULATORY COMPLIANCE

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MAS
7702

FIBER

We utilize a safe , clean eco
friendly technology



FIBER

MAS 7702

MAS7702 is high quality homopolymer polypropylene resin in pellet form for multifilament application such as sewing threads, carpets, webbing tapes, etc

APPLICATION:

- Multifilament
- Sewing thread
- Carpets
- Webbing tapes

CHARACTERISTICS:

- Outstanding processability
- Excellent spinability
- Good tenacity



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**EXCELLENT
SPINABILITY**



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	24.5
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 8
Flexural Modulus	Mpa	ASTM D790	> 1550
Notched Izod Impact	J/m	ASTM D256	> 25
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	92 - 95
Vicat Softening Temperature	°C	ASTM D1525L	152 - 155

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MAS
9475

**THIN WALL
INJECTION
MOLDING**

We are ready to provide high quality materials to support the success of our customers and business partners



**SUPER
THIN**

MAS 9475

MAS9475 is a high quality nucleated homopolymer polypropylene resin in pellet form, suitable for thin wall injection molding applications

APPLICATION:

- Thin wall food containers
- Thin wall housewares

CHARACTERISTICS:

- Excellent clarity & gloss
- Good impact strength
- Good processability



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	60
Tensile Strength at Yield	Mpa	ASTM D638	> 36
Elongation at Yield	%	ASTM D638	> 6
Flexural Modulus	Mpa	ASTM D790	> 1500
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	105-110
Vicat Softening Temperature	°C	ASTM D1525L	152-155



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MAS
8770

**NON-WOVEN
SPUNBOND**

We are committed to
increase our capabilities to
reach the highest standards



**OUTSTANDING
PROCESSABILITY**

MAS 8770

MAS8770 is a high quality homopolymer polypropylene resin in pellet form suitable for spunbond non-woven applications

APPLICATION:

- Shopping bags
- Napkins
- Disposable clothes
- Continuous multifilament yarn

CHARACTERISTICS:

- Excellent flowability
- Excellent drawability and spinnability
- Good processability



PHYSICAL PROPERTIES:

Application	Unit	Standard Method	Typical Value
Melt Flow Index	gram/10 min	ASTM D1238/L	35
Tensile Strength at Yield	Mpa	ASTM D638	> 34
Elongation at Yield	%	ASTM D638	> 7
Flexural Modulus	Mpa	ASTM D790	> 1500
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	166
HDT at 66 psi	°C	ASTM D648	92-95
Vicat Softening Temperature	°C	ASTM D1525L	152-155



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