



MAS
2159

**EXTRUSION
THERMOFORMING**

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



**GOOD
IMPACT
STRENGTH**

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



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 D747 | > 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



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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)