



Technical Data Sheet

Typical Applications

- Used for the production of thin-walled articles, containers, toys, vacuum flasks, household and kitchen articles
- Components of compounding and master batches application
- Lamination application

Key Characteristics

- High fluidity
- High stiffness
- Outstanding processability
- Easy mold filling
- Short cycle times
- Good dimensional stability
- Food contact approval for specific applications (*refer to NATPET*)

Processing Methods

- Injection Molding
- Sheet lamination

<i>Resin</i>	<i>Conditions</i>	<i>Method</i>	<i>Value</i>	<i>Unit</i>
<i>Density</i>	23°C	ISO 1183	0.900	g/cm ³
<i>Melt Flow Rate (MFR)</i>	230°C/2.16 kg	ASTM D 1238-13	25	g/10-min
Mechanical				
<i>Flexural Modulus</i>		ISO 178	1,500	MPa
<i>Tensile Stress at Break</i>	50-mm/min	ISO 527	23	MPa
<i>Tensile Stress at Yield</i>	50-mm/min	ISO 527	32	MPa
<i>Tensile Strain at Break</i>	50-mm/min	ISO 527	> 50	%
<i>Tensile Strain at Yield</i>	50-mm/min	ISO 527	13	%
<i>Izod Notched</i>	23°C	ISO 180	4.1	kJ/m ²
Thermal				
<i>Heat Deflection Temperature</i>	0.45 MPa Un-annealed	ISO 75B	94	°C
<i>Vicat Softening Temperature</i>	A50 (50°C/h 10N)	ISO 306	152	°C

Technical information

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications.

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Special Features

Shows broad processing window while providing good mechanical properties

Processing Conditions

Average extruder temperature range may be kept between 220 - 240°C.

Food Regulation

This product is defined as a preparation under specific food contact regulation. Detailed information will be provided in a relevant document "Regulatory Compliances Product Declaration" upon request.

Storage and Handling

Polypropylene resin should be stored to prevent a direct exposure to sunlight and heat. The Product estimated shelf life is one year starting from production date, adequate humidity below 80%, and temperature below 40°C. Customers might not fully follow the optimal storage condition, hence the shelf life recommended at customer site is six months only as received. Please refer to "**Material Safety Datasheet**" (MSDS) for handling and storage information.

Documents

Legal documents, MSDS, trial reports and machine builder certificate are available on request. Please send your request to the following e-mail: pa@natpet.com